SAMSUNG

DVD CAMCORDER

Chassis : Rainbow

BASIC : VP-DC163

Application Models

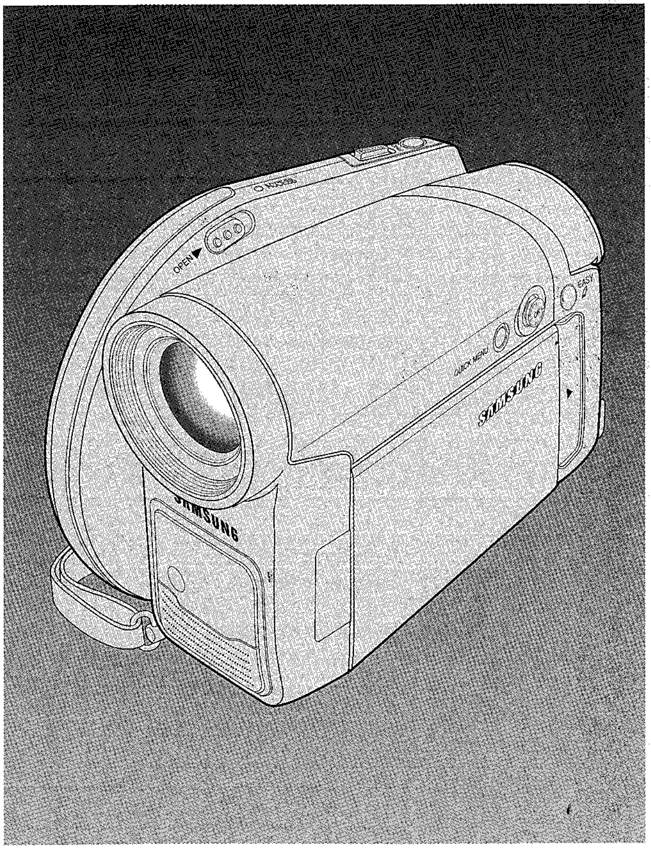
: VP-DC161(W)(B)(I)/DC163(W)(B)(I)
/DC165W(B)(I)

Application Area

: XEF, XEU, XEG, XET, XEV, XEC, XSA, CDM,
XST, XEO, XEH, XEP, XEE, EAP, EUR, XEN,
HACO, TAW, TIT, COL, SEO, XSS, SED, XSH,
XSG, FES, XTL, CHN, ZAM, STS, SMR, XFA,
ITN, KNT, XSE, FPT, RAD, AFR, AND, UMG
MEA, SEA

SERVICE Manual

DVD CAMCORDER



Merit & Character regarding Product

❶ Shooting & compact Design
❷ 8cm DVD-R, -RW, +RW, +RDL(Dual Layer)
❸ Multi Memory Card Slot
❹ Direct Print System : PictBridge ™
❺ LED Light
❻ High quality MPEG4
❼ Still image Interpolation
❽ Real Wide mode (16:9)/WIDE LCD
❾ 33X ZOOM
❿ USB 2.0 Streaming

CONTENTS

1. Precautions 1-1 ~ 1-4
  - 1-1 Safety Precaution (1-1)
  - 1-2 Servicing Precautions (1-3)
  - 1-3 ESD Precautions (1-4)

2. Product Specification 2-1 ~ 2-6
  - 2-1 Product Specification (2-1)
  - 2-2 Chassis Product Specification (2-3)
  - 2-3 Option Product Specification (2-4)

3. Alignment and Adjustments 3-1 ~ 3-6
  - 3-1 Camera Adjustment (3-1)

4. Disassembly and Reassembly 4-1 ~ 4-16
  - 4-1 Cabinet and PCB (4-1)

5. Exploded View and Parts List 5-1 ~ 5-22
  - 5-1 Ass'y Chassis (VP-DC161(W)(I)) (5-2)
  - 5-2 Ass'y Chassis (VP-DC163(W)(I)) (5-4)
  - 5-3 Ass'y Chassis (VP-DC165W(I)) (5-6)
  - 5-4 Ass'y Right (5-8)
  - 5-5 Ass'y Left (VP-DC161(W)(I)) (5-10)
  - 5-6 Ass'y Left (VP-DC163(W)(I)/DC165W(I)) (5-12)
  - 5-7 Ass'y Rear (5-14)
  - 5-8 Ass'y Top (5-16)
  - 5-9 Ass'y LCD (5-18)
  - 5-10 Ass'y Front (5-20)
  - 5-11 Ass'y Inner Right (5-21)

6. Electrical Parts List 6-1 ~ 6-34
  - 6-1 VP-DC161(W)(I) Parts List (6-1)
  - 6-2 VP-DC163(W)(I) Parts List (6-13)
  - 6-3 VP-DC165W(I) Parts List (6-25)

CONTENTS

7. Block Diagrams 7-1 ~ 7-8
- 7-1 All Block Diagram (7-2)
- 7-2 ICM01 Block Diagram (7-3)
- 7-3 IC501 Block Diagram (7-4)
- 7-4 IC401 Block Diagram (7-5)
- 7-5 IC602 Block Diagram (7-6)
- 7-6 IC601 Block Diagram (7-7)

8. Wiring Diagram 8-1 ~ 8-2

9. PCB Diagrams 9-1 ~ 9-10
- 9-1 Main PCB (9-2)
- 9-2 Left PCB (9-6)
- 9-3 Rear PCB (9-6)
- 9-4 LCD PCB (VP-DC161(I)/DC163(I)) (9-7)
- 9-5 LCD PCB (VP-DC161W(B)(I)/DC163W(I)/DC165W(B)(I)) (9-7)
- 9-6 Function PCB (9-8)
- 9-7 Front PCB (9-8)
- 9-8 CCD PCB (9-9)
- 9-9 CVF PCB (9-9)

10. Schematic Diagrams 10-1 ~ 10-20
- 10-1 DC/DC (Main PCB) (10-2)
- 10-2 Video (Main PCB) (10-3)
- 10-3 Audio (Main PCB) (10-4)
- 10-4 Encoder (Main PCB) (10-5)
- 10-5 Decoder (Main PCB) (10-6)
- 10-6 LCD CVF (Main PCB) (10-7)
- 10-7 System Micom (Main PCB) (10-8)
- 10-8 CDS Zoom Motor (Main PCB) (10-9)
- 10-9 DSP (Main PCB) (10-10)
- 10-10 ARM Memory (Main PCB) (10-11)
- 10-11 CCD (CCD PCB) (10-12)
- 10-12 CVF (CVF PCB) (10-13)

CONTENTS

10-13 Function (Function PCB) (10-14)
10-14 LCD (LCD PCB) (VP-DC161(I)/DC163(I)) (10-15)
10-15 LCD (LCD PCB) (VP-DC161W(B)(I)/DC163W(I)/DC165W(B)(I)) (10-16)
10-16 Rear (Rear PCB) (10-17)
10-17 Front (Front PCB) (10-18)
10-18 Left (Left PCB) (10-19)

◆ **If you want to know additional information which is not included on this Service Manual, Please refer to the SKP web site.**
; SKP (Samsung Knowledge Portal)
URL ; http://europe.samsungportal.com/

1. Precautions

1-1 Safety Precautions

1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

(1) Be sure that no built-in protective devices are defective or have been defeated during servicing. (1)Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2)When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.

(2) Be sure that there are no cabinet openings through which adults or children might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

(3) Leakage Current Hot Check-With the instrument completely reassembled, plug the AC line cord directly into a 230V(220V ~ 240V) AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1270 (40.7). With the instrument's AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinets, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis.
Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See Fig. 1-1.
Any measurements not within the limits specified herein indicate a potential shock hazard that must be eliminated before returning the instrument to the customer.

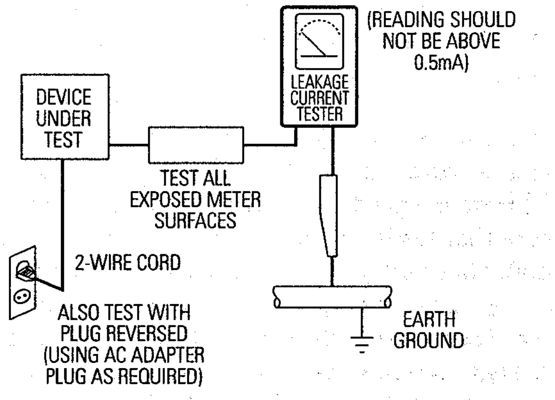

(READING SHOULD NOT BE ABOVE 0.5mA)
LEAKAGE CURRENT TESTER
DEVICE UNDER TEST
TEST ALL EXPOSED METER SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

(4) Insulation Resistance Test Cold Check-(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the instrument. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and all exposed metallic cabinet parts on the instrument, such as screwheads, antenna, control shafts, handle brackets, etc. When an exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohm. When there is no return path to the chassis, the reading must be infinite. If the reading is not within the limits specified, there is the possibility of a shock hazard, and the instrument must be repaired and rechecked before it is returned to the customer. See Fig. 1-2.

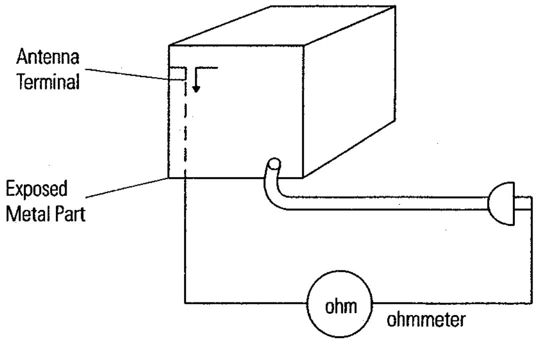


Fig. 1-2 Insulation Resistance Test

2) Read and comply with all caution and safety related notes on or inside the cabinet, or on the chassis.

3) Design Alteration Warning-Do not alter or add to the mechanical or electrical design of this instrument. Design alterations and additions, including but not limited to, circuit modifications and the addition of items such as auxiliary audio output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design alterations or additions will make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4) Observe original lead dress. Take extra care to assure correct lead dress in the following areas:
(1) near sharp edges, (2) near thermally hot parts (be sure that leads and components do not touch thermally hot parts), (3) the AC supply, (4) high voltage, and (5) antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring, Do not change spacing between a component and the printed-circuit board. Check the AC power cord for damage.

5) Components, parts, and/or wiring that appear to have overheated or that are otherwise damaged should be replaced with components, parts and/ or wiring that meet original specifications.
Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

6) Product Safety Notice-Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, an (⚠)or a (⚠)on schematics and parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

CAUTION : Before servicing units covered by this service manual and its supplements, read and follow the Safety Precautions section of this manual.

Note : If unforseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

1-2-1 General Servicing Precautions

(1) a. Always unplug the instrument's AC power cord from the AC power source before (1) re-moving or reinstalling any component, circuit board, module or any other instrument assembly, (2) disconnecting any instrument electrical plug or other electrical connection, (3) connecting a test substitute in parallel with an electrolytic capacitor in the instrument.

b. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

c. Do not apply AC power to this instrument and /or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

d. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Note : Refer to the Safety Precautions section ground lead last.

(2) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.

(3) The components used in the unit have a specified flame resistance and dielectric strength.
When replacing components, use components which have the same ratings. Components identified by shading, by(⚠) or by (⚠) in the circuit diagram are important for safety or for the characteristics of the unit. Always replace them with the exact replacement components.

(4) An insulation tube or tape is sometimes used and some components are raised above the printed wiring board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install such elements as they were.

(5) After servicing, always check that the removed screws, components, and wiring have been installed correctly and that the portion around the serviced part has not been damaged and so on. Further, check the insulation between the blades of the attachment plug and accessible conductive parts.

1-2-2 Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power ON. Connect the insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts(see note) should be more than 1 Megohm.

Note : Accessible conductive parts include metal panels, input terminals, earphone jacks, etc.

1-3 ESD Precautions

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.
Such components commonly are called Electrostatically Sensitive Devices(ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

(1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

(2) After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

(3) Use only a grounded-tip soldering iron to solder or unsolder ESD devices.

(4) Use only an anti-static solder removal devices. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.

(5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.

(6) Do not remove a replacement ESD device from its protective package until immediately before your are ready to install it.(Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).

(7) Immediately before removing the protective materials from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

(8) Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

2. Product Specification

2-1 Product Specification

System	Video Signal	PAL
	Video Recording	MPEG2, MPEG4
	Audio Recording	Dolby Stereo Creator
	Usable cassetts	8cm DVD-R, -RW, +RW, +RDL(Dual layer)
	Disk recording time	XP 20min, SP 30min, LP 60min
	Image device	CCD (Chage Coupled Device) (680k Pixels)
	Lens	F. No(Wide/Tele) 1.6~3.4 1200 X(Digital) Electronic zoom lens
	Filter Diameter	ø 30
LCD Screen/Viewfinder	Size/dot number	2.5 inch 112K
	LCD Screen Method	TFT LCD
	Viewfinder	Color LCD
Connectors	Video output	1 Vp-p(75Ω terminated)
	S-video output	Y : 1Vp-p, 75Ω, C: 0.286Vp-p, 75Ω
	Audio output	-7.5dBs(600Ω terminated)
	DV input/output	4pin special in/out connector
	USB output	mini-B type connector
	External mic	ø 3.5 stereo
General	Power source	DC 8.4V lithium Ion Battery Pack 7.4V
	Power Source type	Lithium Ion Battery Pack, Power supply (110V~240V) 50/60Hz
	External dimension	Height 3.42 inches, Length 4.78 Inches, width 2.26 inches
	Weiht	0.946lb(Without battery), 1.054lb(With battery)
	Internal MIC	Omni-directional stereo microphone

2-1-1 USB Interface for Digital Image Data Transfer

You can transfer images to a PC using the USB interface without an add-on card.

2-1-3 PHOTO

The PHOTO function lets you capture an object as a still, while in <Camera mode>.

2-1-4 1200x Digital Zoom

Allows you to magnify an image up to 1200 times its original size.

2-1-5 Audio Enhancement

Provides more powerful sound by added Real Stereo and Audio Effect functionalities.

2-1-6 Color TFT LCD

A high-resolution color TFT LCD gives you clean, sharp images as well as the ability to review your recordings immediately.

2-1-7 Digital Image Stabilizer (DIS)

The DIS compensates for any handshake, reducing unstable images particularly at high magnification.

2-1-8 Various Visual Effects

The Visual Effects allows you to give your films a special look by adding various special effects.

2-1-9 Back Light Compensation (BLC)

The BLC function compensates for the bright background behind a subject you're recording.

2-1-10 Program AE

The Program AE enables you to alter the shutter speed and aperture to suit the type of scene/action to be filmed.

2-1-11 High Power Zoom Lens

Power Zoom lens allows users to magnify the subject clearly up to x33

2-1-12 Digital Still Camera Function

- Using Memory Card, you can easily record and playback standard photo images.
- You can transfer standard photo images on the Memory Card to your PC using the USB interface.

2-1-13 Moving Image Recordin

Moving image recording makes it possible to record video onto a Memory Card.

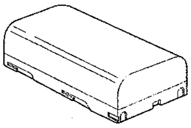
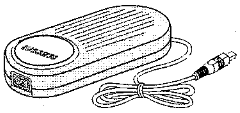
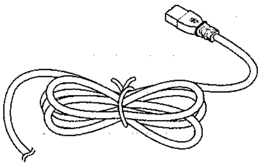
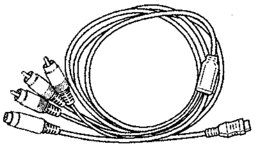
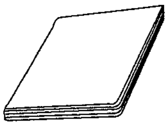
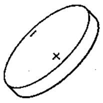
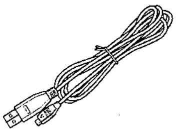
2-1-14 Multi Memory Card Slot

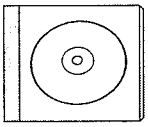
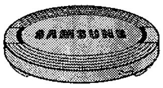
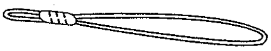
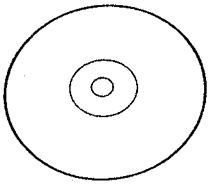
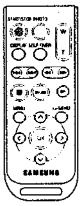
Multi Memory Card slot is able to use Memory Stick (Duo), Memory Stick PRO, MMC and SD.

2-2 Chassis Product Specification

Model	VP-D363 (Dragon-2)	VP-DC163 (Rainbow)	Remark
Format	MiniDV	DVD-R/-RW/+RW/+RDL(Dual layer)	
Resolution	520 line	520 line	
Zoom/Digital	30x / 1200X	30X	
CCD 680K	680K	-	
LCD	2.5", 112K	2.5", 112K	
Viewfinder	Color	Color	
Audio12/16b PCM	Dolby Digital Creator	-	
Image Stabilizer	DIS	DIS	
IEEE1394	In/Out	-	
USB USB 2.0	USB 2.0	-	
JPEG Recording	800 X 600	800 X 600	
Battery Pack	SB-LSM80	SB-LSM80	
Carrying Case / Tape	X/X	Option	
S-Cable / Scart Jack	X/X	Multi Cable/X	
UV Coating(Color)	UV Coating	UV Coating	

2-3 Option Product Specification

Description Fig	Description	Parts No	Remark
	Lithium Lon Battery Pack	AD43-00136A	Model Standard of VP-DC163/XEF
	AC Power Adapter	AD44-00090A	Model Standard of VP-DC163/XEF
	AC Cord	AD39-00077A	Model Standard of VP-DC163/XEF
	Audio/Video Cable	AD39-00119A	Model Standard of VP-DC163/XEF
	Instruction Book	AD44-00090A	Model Standard of VP-DC163/XEF
	Lithium Battery	AD43-10130H	Model Standard of VP-DC163/XEF
	USB Cable	AD39-00073D	Model Standard of VP-DC163/XEF

Description Fig	Description	Parts No	Remark
	Software Cd	AD46-00061A AD46-00082A	Model Standard of VP-DC163/XEF
	Lens Cover	AD97-10990A	Model Standard of VP-DC163/XEF
	Lens Cover Strap	AD72-00049A	Model Standard of VP-DC163/XEF
	8cm DVD-RW Disc	AD46-00088A	Model Standard of VP-DC163/XEF S.N.A
	Carring Case	AD69-00797A	Model Standard of VP-DC163/XEF
	Remote Control	AD59-00148A	Model Standard of VP-DC163/XEF

MEMO

3. Alignment and Adjustments

3-1 Camera Adjustment

Note : How to adjust the camera system.

1) EEPROM stores confirmed adjustment value of each adjustment step.

2) DSP (Digital Signal Process : ICM01-Main PCB) digitalizes the camera signal.

3) When replacing the Main PCB or ICM04(EEPROM) data must be readjusted.
After changing LCD PCB and CVF PCB- always readjust the data for each part.
Once the adjusted valuse for each section has been confirmed the data must then be stored into the EEPROM.

4) Adjust the following items after changing LENS Ass'y.
- **❶ Auto HALL**
- **❷ Auto IRIS**
- **❸ Auto White Balance(indoor)**
- **❹ Auto White Balance(outdoor)**
- **❺ Lens Zoom Track**

5) Adjust the following items after changing EEPROM and Camera Main PCB.
- **❶ Auto HALL**
- **❷ Auto IRIS**
- **❺ Auto White Balance (indoor)**
- **❹ Auto White Balance (outdoor)**
- **❺ Lens Zoom Track**
- **❻ Zoom VR Center**

3-1-1 Adjustment Preparation

1) Before you start

❶ Use the buttons on the CAMCORDER when adjusting Camera.
❷ When changing the adjustment item, please press the "Joystick(OK)" buttons on the Set.
❸ You can chage the adjustment value to press macro button or c.nite button.
❹ Press the "Joystick(OK)" when storing confirmed adjuistment value of each adjustment Step in EEPROM.
❺ The OSD shows "OK" after finishing each adjustment step.
❻ In order to exit the adjustment mode, disconnect the power source.

2) Function of each buttons on the Sst Key

<Table 3-1>

Buttons	Description
Joystick(OK) push (Confirm)	Stores changed value in the adjustment and auto adjustment mode.
VOL+ (Data Up)	Changes data in the adjustment state.
VOL- (Data Down)	
Joystick(UP) (Mode Up)	Changes mode.
Joystick(DOWN) (Mode Down)	

3) How to set up the camera adjustment mode

[STEP 1]

❶ Connect the Power source.

❷ Set the Power Switch to "CAM" position and Mode Switch to "DISK" position.

[STEP 2]

❶ Press and hold the "STOP" and "Joystick Right" buttons on the video camera at the same time for more than 5 seconds.

❷ When monitor OSD appears as shown Fig. 3-1, the Camera adjustment mode has been activated successfully.

[STEP 3]

In order to complete the adjustment the power must be reset.
This can be done by disconnecting and reconnecting the power source.

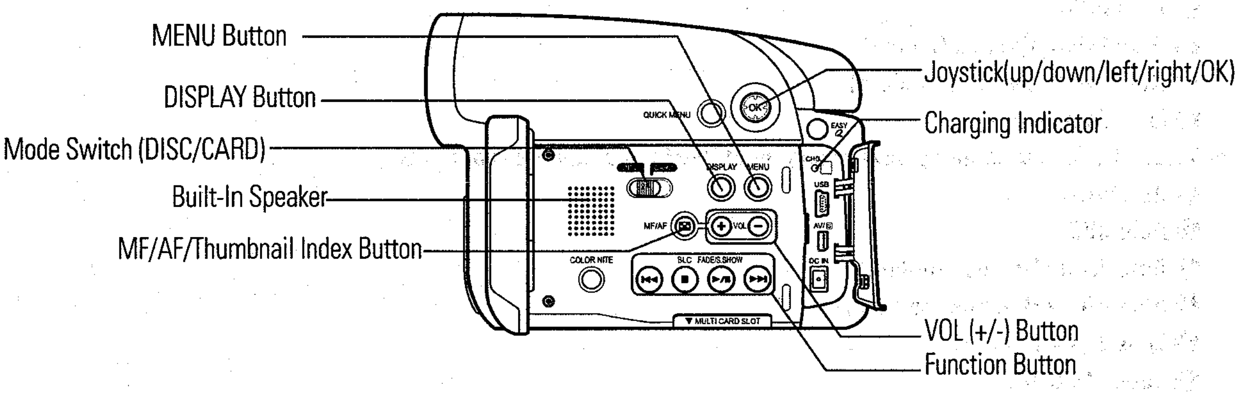

MENU Button
DISPLAY Button
Mode Switch (DISC/CARD)
Built-In Speaker
MF/AF/Thumbnail Index Button
Joystick(up/down/left/right/OK)
Charging Indicator
VOL (+/-) Button
Function Button
QUICK MENU
OK
DISPLAY
MENU
CHG
USB
AV
DC IN
MF/AF
VOL
COLOR NITE
SLC
FADE/S.SHOW
▼ MULTI CARD SLOT

Fig. 3-1

3-1-2 Camera Adjustment

Note : "XX XX" indicate the previous preset value and adjusted value.
Press the "Joystick(OK)" (Confirm) to store the adjusted value.

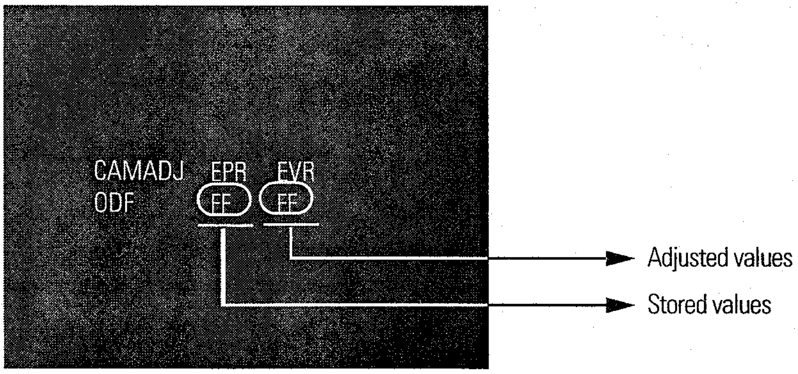


Fig. 3-2

1) EEPROM Data Initialize

Caution : These adjustments must be done when installing a new EEPROM (ICM04) in Main PCB.

❶ Move the "[Joysitck] UP or DOWN (Mode UP/DOWN)" until CAMADJ displays "0DF XX XX".
❷ Press the "Vol + or - (data UP/DOWN)" so that display of EVR is "AA"
❸ Press the "Joystick(OK)" (Confirm).
❹ The OSD shows "OK" after finishing the initalize.
(Show Fig. 3-2)

2) Lens Zoom Track

Caution : For whole zoom range, it shall be in focus.
The location of a focus lens is moving depending on the location of Zoom Lens.
During adjusting, micom measures the focus location from a near distance to a long.

❶ Camera is set to E-E mode.
❷ Set the Focus chart .
❸ Center the camera about 3m from a focus chart which, should be placed on a flat surfaced white or gray all.
❹ Connect the video output terminal to a TV.
❺ Move the "[Joysitck] UP or DOWN (Mode UP/DOWN)" until OSD Shows "0DE XX XX".
❻ Press the "Joystick(OK)" (Confirm).
Never impact on the lens when adjusting zoom and focus Lens.
The OSD Show "OK" after finishing the adjustment
(Show Fig. 3-3)

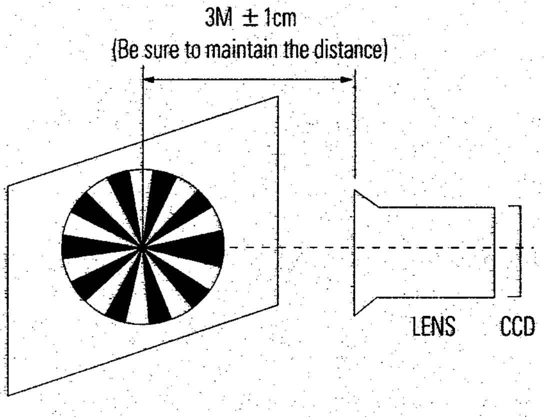


Fig. 3-3

3) Zoom VR Center

❶ Connect a video output terminal to a TV.
❷ Move the "[Joysitck] UP or DOWN (Mode UP/DOWN)" so that OSD shows "0D6 XX XX".
❸ Press the "Joystick(OK)" (Confirm).
❹ Then Micom finds out Zoom VR center position.
Store Zoom VR center value in OB7.
(Show Fig. 3-4)

4) Auto HALL

❶ Connect a video output terminal to a TV.
❷ Move the "[Joysitck] UP or DOWN (Mode UP/DOWN)" OSD shows "0CD XX XX".
❸ Press the "Joystick(OK)" (Confirm).
❹ Then micom finds out max. Hall value with an iris opened and min. Hall value with an iris closed. Store max. and min. value of Hall in OAD and OAC respectively.
❺ The OSD shows "OK" after finishing the adjustment.
(Show Fig. 3-4)

5) Auto IRIS Level

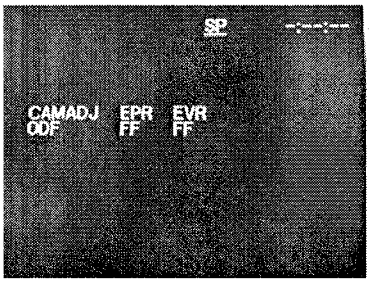
❶ Connect a video output terminal to a wave form monitor and a TV.
❷ Move the "[Joysitck] UP or DOWN (Mode UP/DOWN)" so that OSD shows "0CE XX XX".
❸ Press the "Joystick(OK)" (Confirm).
❹ Then micom finds out max. Hall value with an iris opened and min. Hall value with an iris closed. Store max. and min. value of in 00BC, 00BD and 00BB respectively.
❺ The OSD shows "OK" after finishing the adjustment.
(Show Fig. 3-4)

6) Auto White Balance (indoor)

❶ Camera mode & 3100° K gray scale chart.
❷ Connect a video output terminal to a vectorscope and a TV.
❸ Move the "[Joysitck] UP or DOWN (Mode UP/DOWN)" so that OSD shows "0D4 XX XX".
❹ Ensure that camera picks up image 40μs on 3100°K gray scale chart precisely and the illumination is 1500~2000 Lux.
❺ Press the "Joystick(OK)" (Confirm) to ensure that white spot on a vectorscope is moving in the middle of screen.
❻ The OSD shows "OK" after finishing the adjustment.
(Show Fig. 3-4)

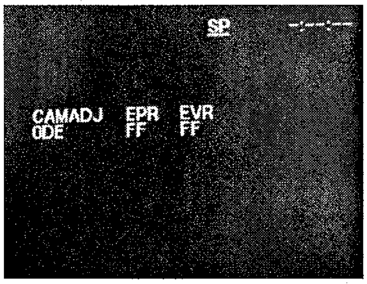
7) Auto White Balance (outdoor)

❶ Camera mode & 5100° K gray scale chart.
❷ Connect a video output terminal to a vectorscope and a TV.
❸ Move the "[Joysitck] UP or DOWN (Mode UP/DOWN)" so that OSD shows "0D5 XX XX".
❹ Ensure that camera picks up image 40 μs on 5100 gray scale chart (3100 gray scale chart + C16 filter) precisely and the illumination is 1500~2000 Lux.
❺ Press the "Joystick(OK)" (Confirm) to ensure that white spot on a vectorscope is moving in the middle of screen.
❻ The OSD shows "OK" after finishing the adjustment.
(Show Fig. 3-4)



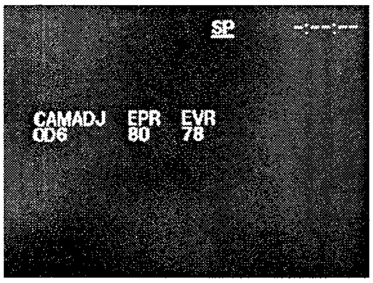
CAMADJ EPR EVR
0DF FF FF

EEPROM Data Intialize



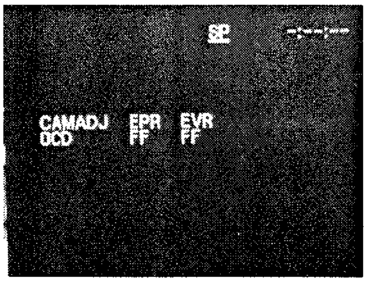
CAMADJ EPR EVR
0DE FF FF

Lens Zoom Track



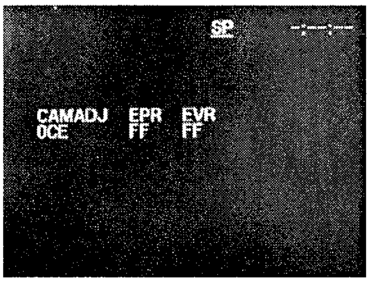
CAMADJ EPR EVR
0D6 80 78

Zoom VR Center



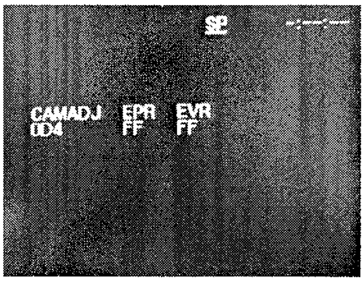
CAMADJ EPR EVR
0CD FF FF

Auto HALL



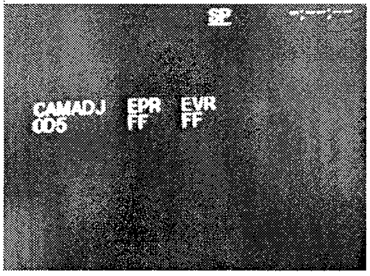
CAMADJ EPR EVR
0CE FF FF

Auto IRIS Level



CAMADJ EPR EVR
0D4 FF FF

Auto White Balance(indoor)



CAMADJ EPR EVR
0D5 FF FF

Auto White Balance(outdoor)

Fig. 3-4

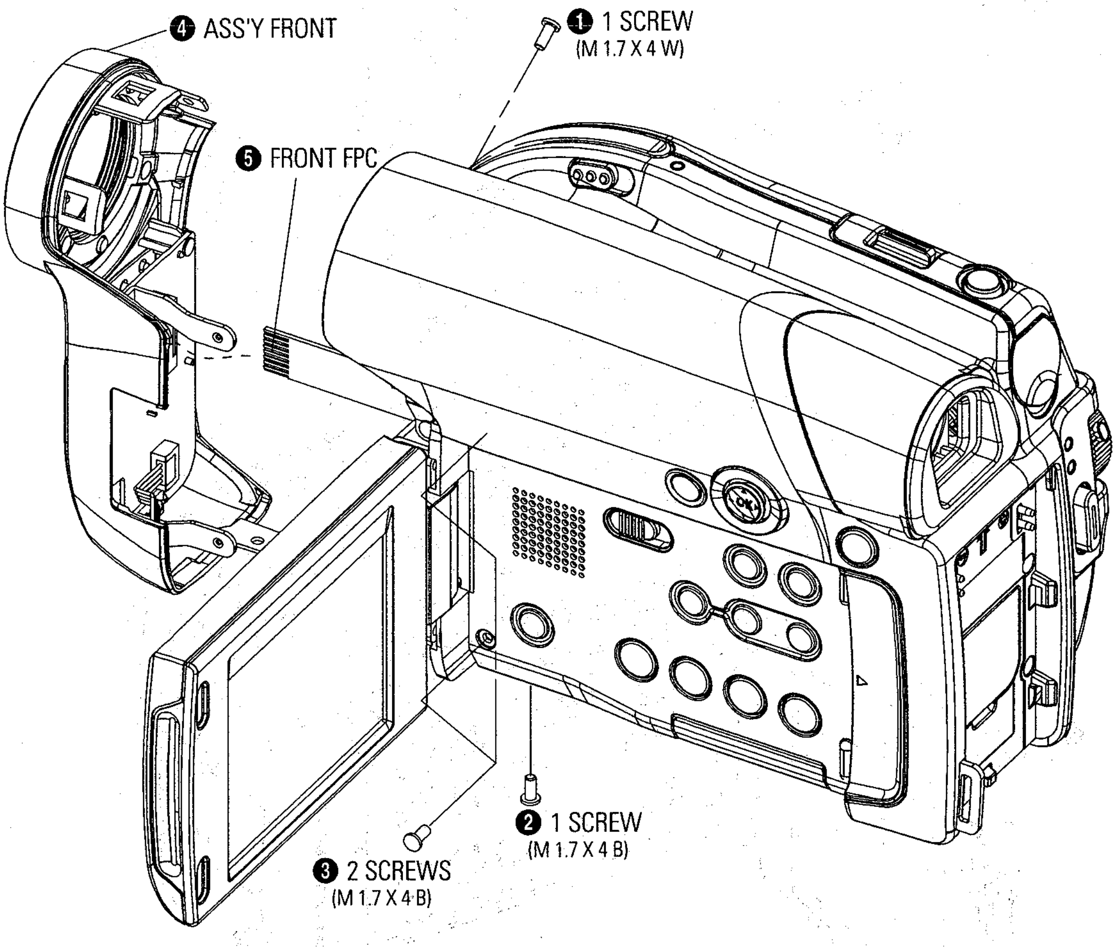
MEMO

4. Disassembly and Reassembly

4-1 Cabinet and PCB

4-1-1 Ass'y Front Removal

1) Remove 4 Screws ❶, ❷, ❸.
2) Open Ass'y Front ❹.
3) Remove Front FPC ❺.

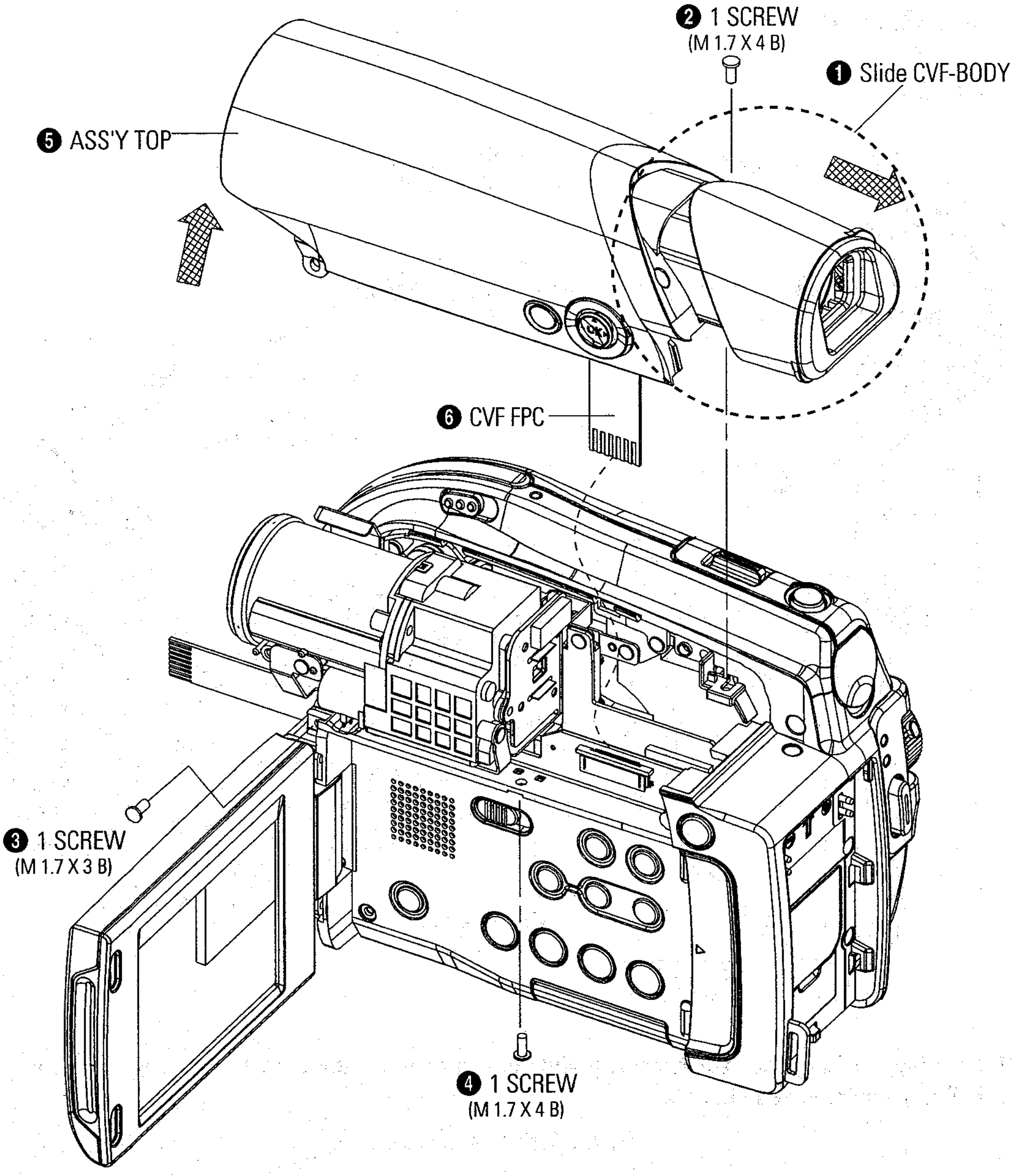

❹ ASS'Y FRONT
❶ 1 SCREW
(M 1.7 X 4 W)
❺ FRONT FPC
❷ 1 SCREW
(M 1.7 X 4 B)
❸ 2 SCREWS
(M 1.7 X 4 B)

CAUTION : 1. Drawing the Ass'y Top over 20mm is prohibited after pull out the Screw.
2. FPC Must be remove with care

Fig. 4-1 Ass'y Front Removal

4-1-2 Ass'y Top Removal

1) Slide CVF-Body ❶.
2) Remove 3 Screws ❷, ❸, ❹.
3) Push open Ass'y Top ❺.
4) Remove CVF FPC ❻.

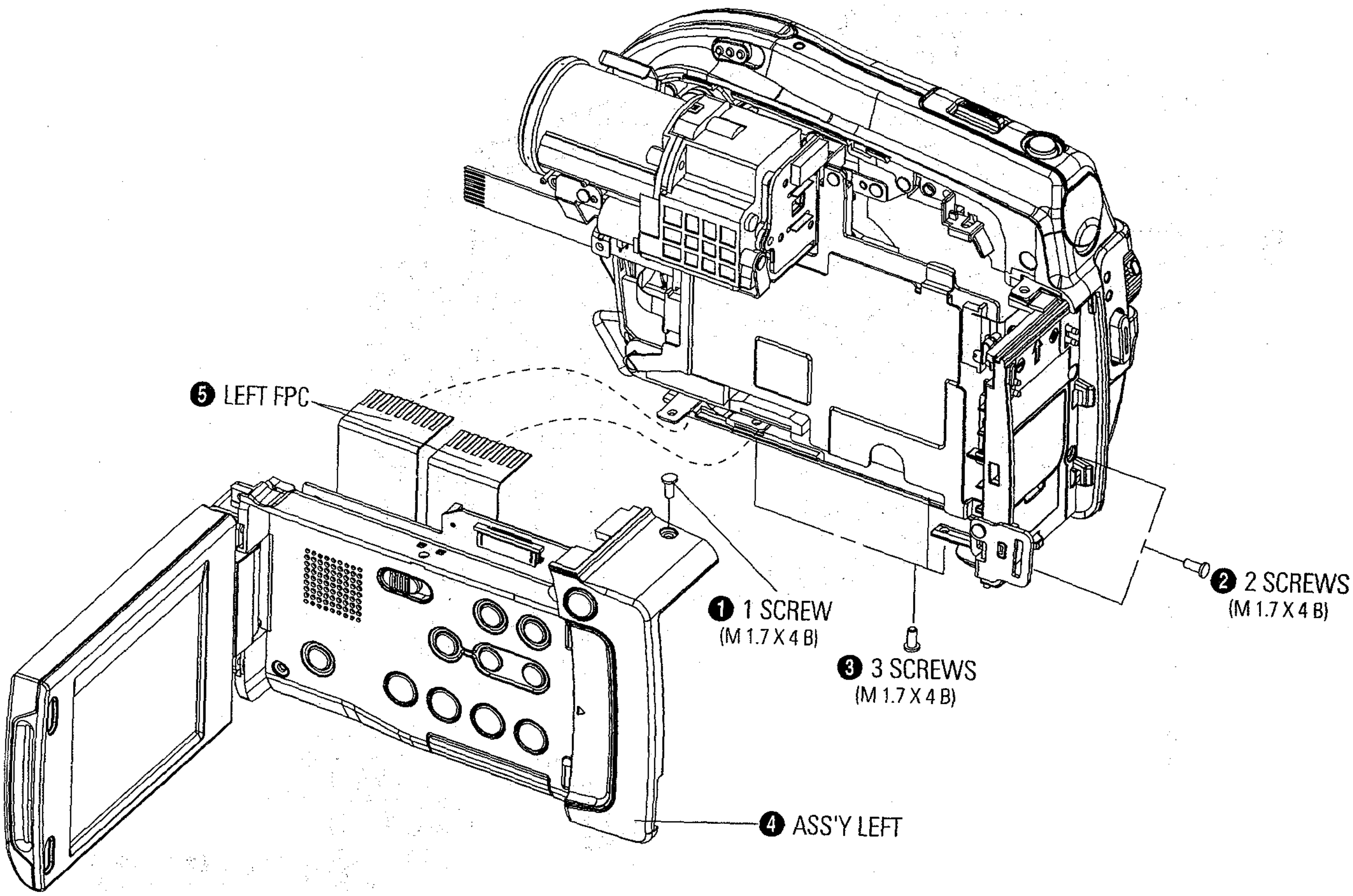

❷ 1 SCREW
(M 1.7 X 4 B)
❶ Slide CVF-BODY
❺ ASS'Y TOP
❻ CVF FPC
❸ 1 SCREW
(M 1.7 X 3 B)
❹ 1 SCREW
(M 1.7 X 4 B)

CAUTION : 1. Drawing the Ass'y Top over 20mm is prohibited after pull out the Screw.
2. FPC Must be remove with care

Fig. 4-2 Ass'y Top Removal

4-1-3 Ass'y Left Removal

1) Remove 5 Screws ❶, ❷, ❸.
2) Open Ass'y Left ❹.
4) Remove Left-FPC ❺.

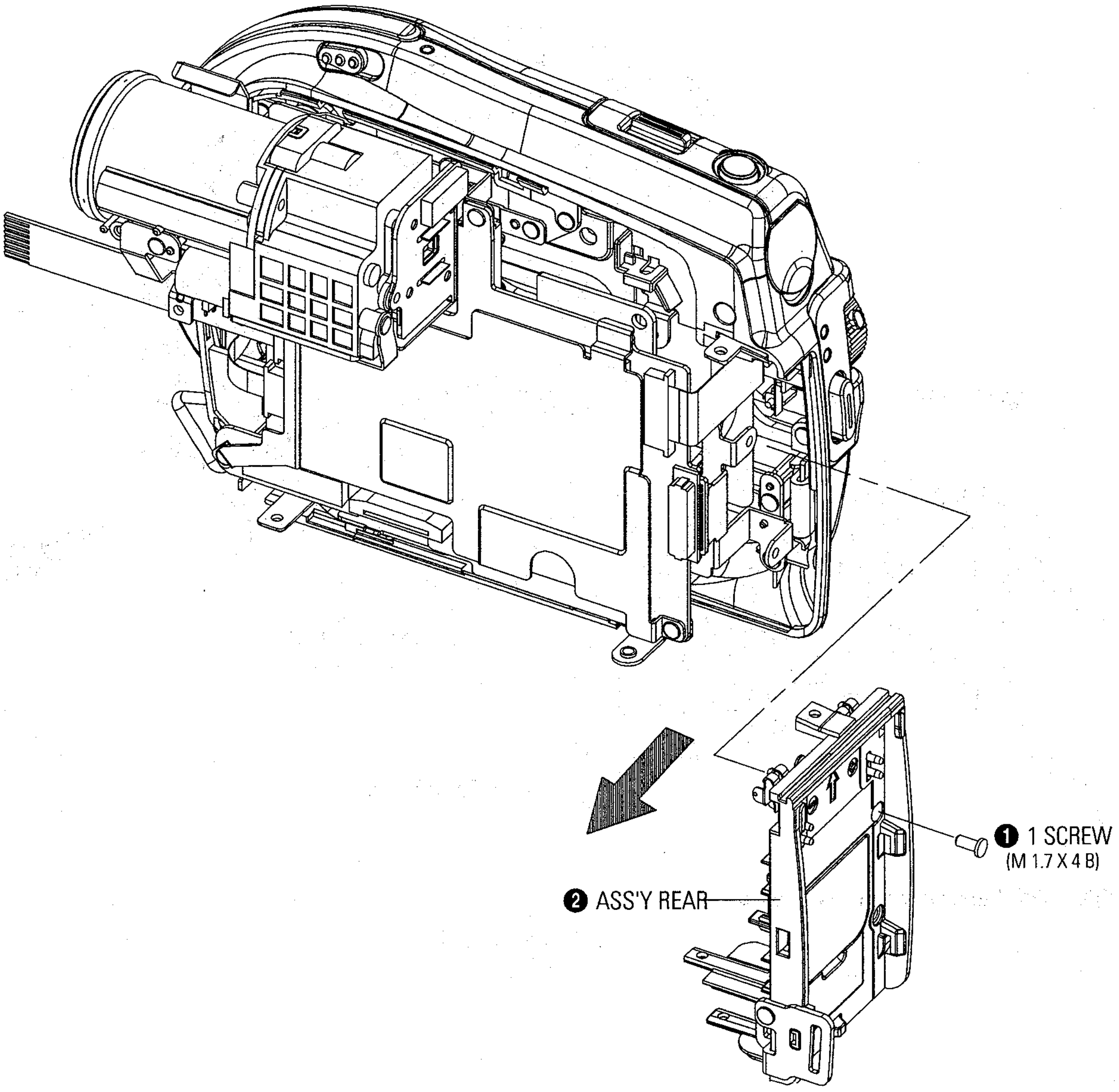

❺ LEFT FPC
❶ 1 SCREW
(M 1.7 X 4 B)
❷ 2 SCREWS
(M 1.7 X 4 B)
❸ 3 SCREWS
(M 1.7 X 4 B)
❹ ASS'Y LEFT

CAUTION : FPC Must be remove with care

Fig. 4-3 Ass'y Left Removal

4-1-4 Ass'y Rear Removal

1) Remove 1 Screw ❶.
2) Remove Ass'y Rear ❷.

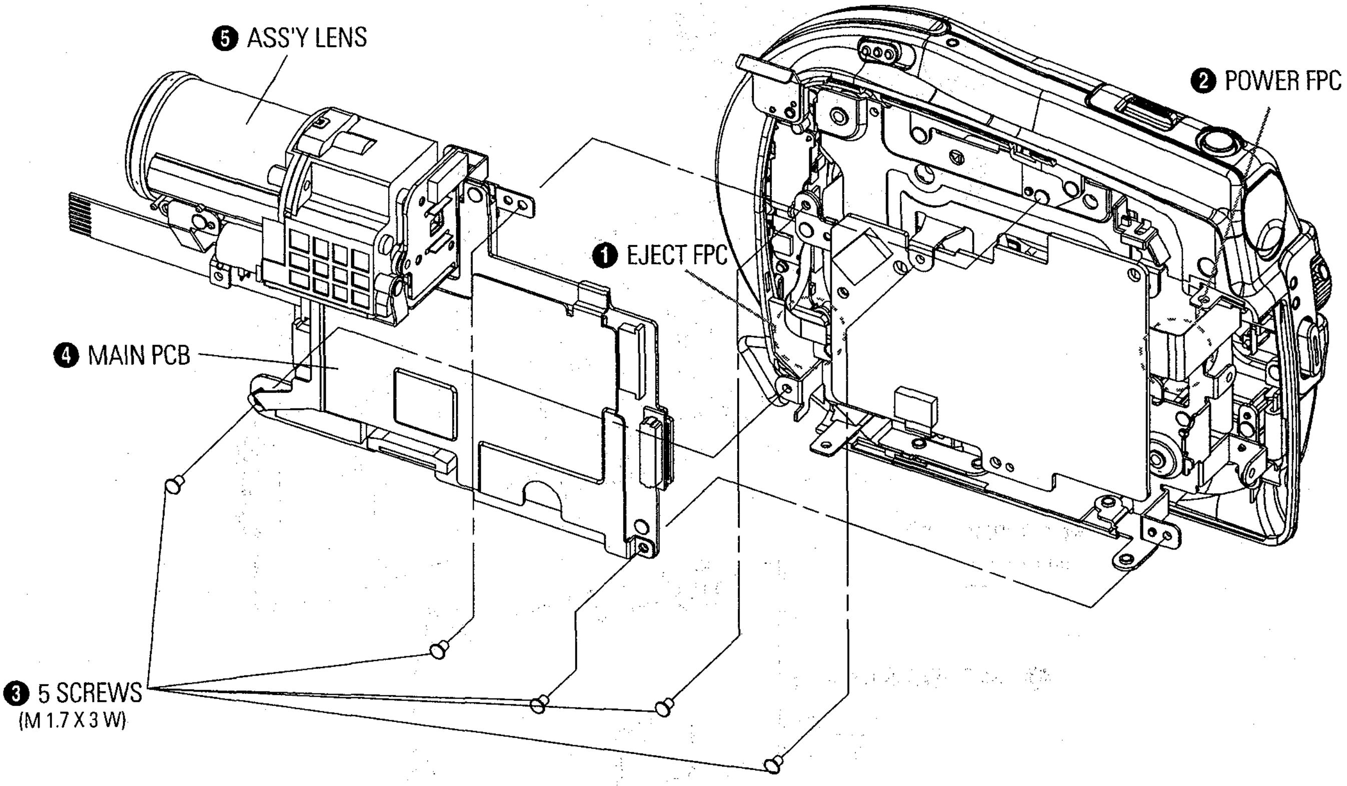

❶ 1 SCREW
(M 1.7 X 4 B)
❷ ASS'Y REAR

CAUTION : Main PCB and Ass'y Rear are Board to Board

Fig. 4-4 Ass'y Rear Removal

4-1-5 Main PCB, Ass'y Lens Removal

1) Remove Eject FPC ❶, Power FPC ❷.
2) Remove 5 screws ❸.
3) Remove Main PCB ❹, Ass'y Lens ❺.

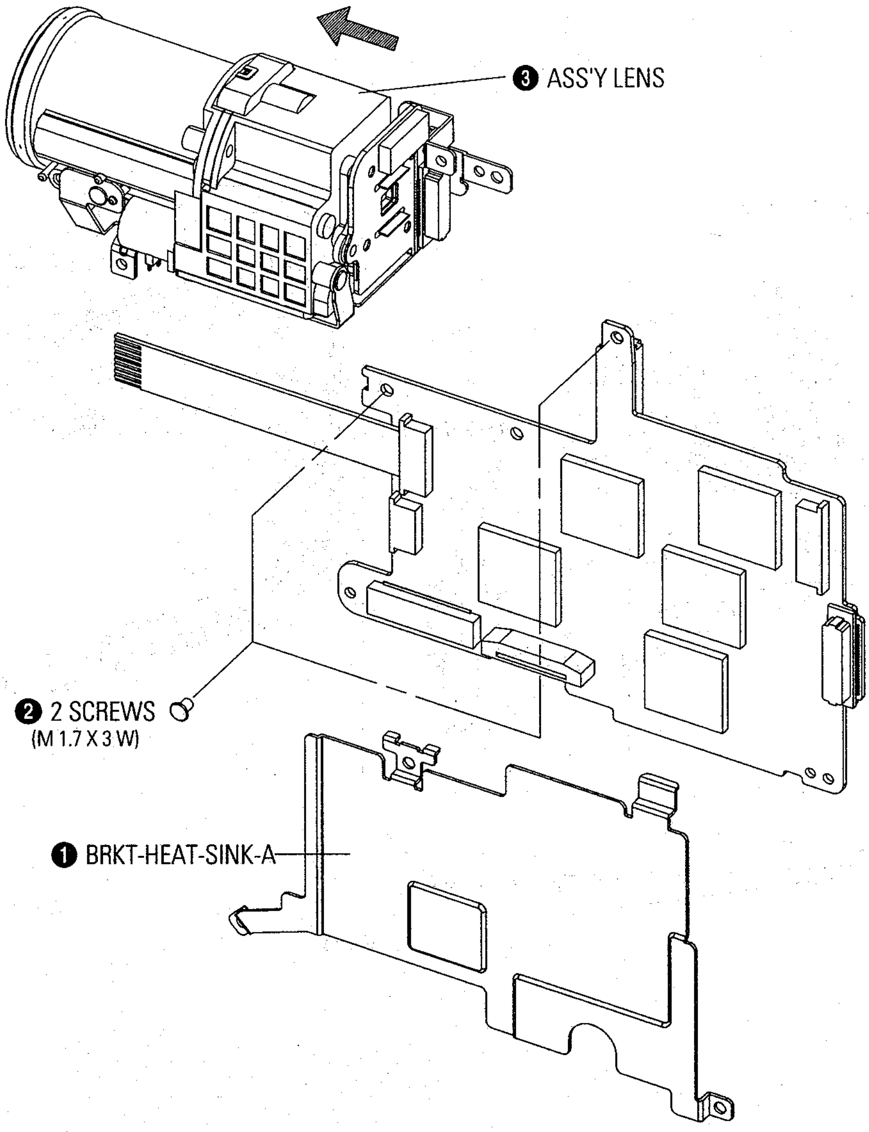

❺ ASS'Y LENS
❷ POWER FPC
❶ EJECT FPC
❹ MAIN PCB
❸ 5 SCREWS
(M 1.7 X 3 W)

CAUTION : FPC, FFC Must be remove with care

Fig. 4-5 Main PCB, Ass'y Lens Removal

4-1-6 Ass'y Lens Removal

1) Remove Brkt Heat Sink A ❶.
2) Remove 2 Screws ❷.
3) Remove Ass'y Lens ❸.


❸ ASS'Y LENS
❷ 2 SCREWS
(M 1.7 X 3 W)
❶ BRKT-HEAT-SINK-A

CAUTION : 1. No Separating the pad Heat Main(3EA) of Heat Sink Main
2. Main PCB and Ass'y Loader are Board To Board

Fig. 4-6 Ass'y Lens Removal

4-1-7 Inner Right Remove 1

1) Remove 4 Screws ❶, ❷.

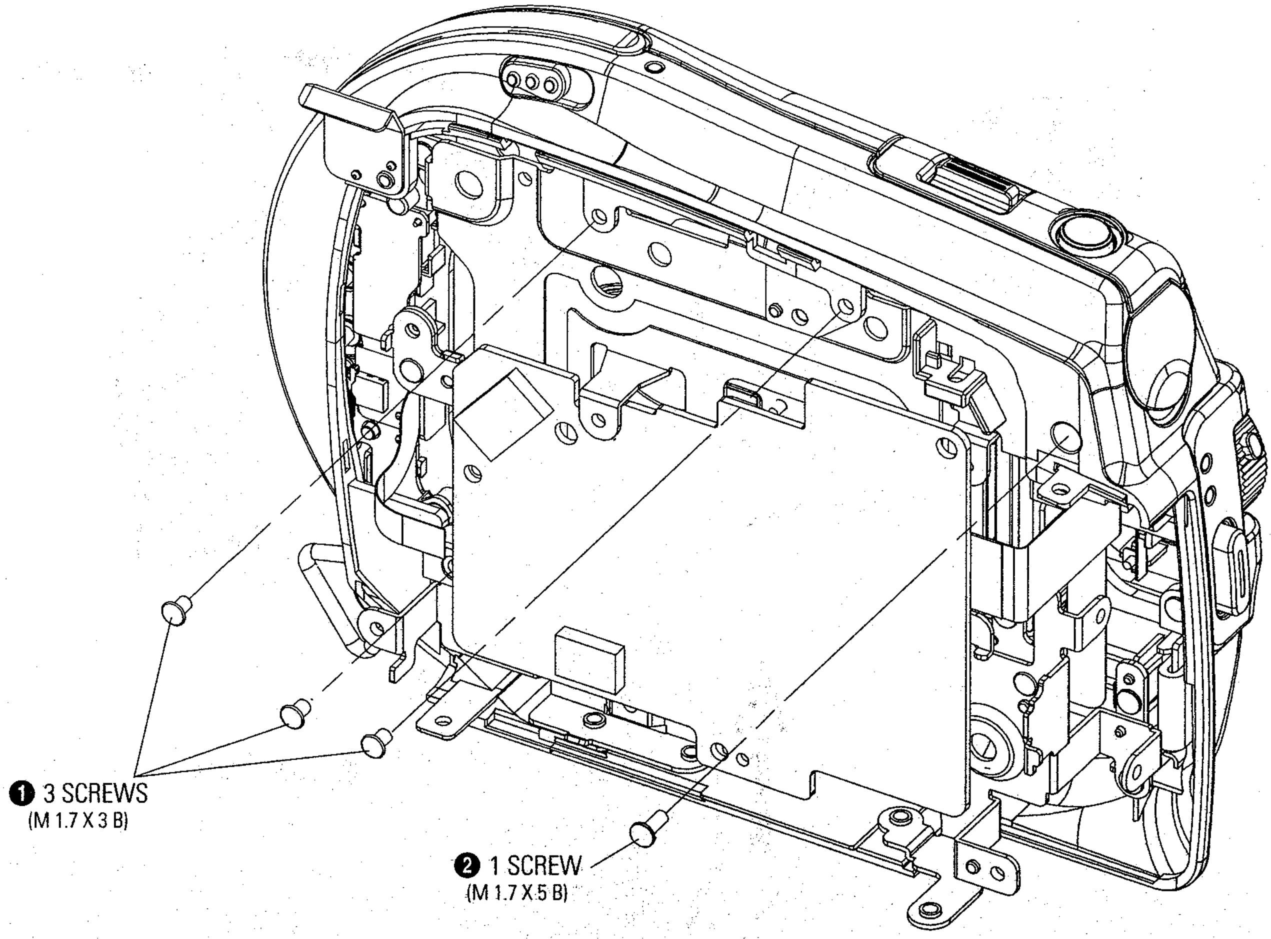

❶ 3 SCREWS
(M 1.7 X 3 B)
❷ 1 SCREW
(M 1.7 X 5 B)

Fig. 4-7 Inner Right Removal 1

4-1-8 Inner-Right Removal 2

1) Open the housing ❶ and than move the Shaft-Solenoid ❷.

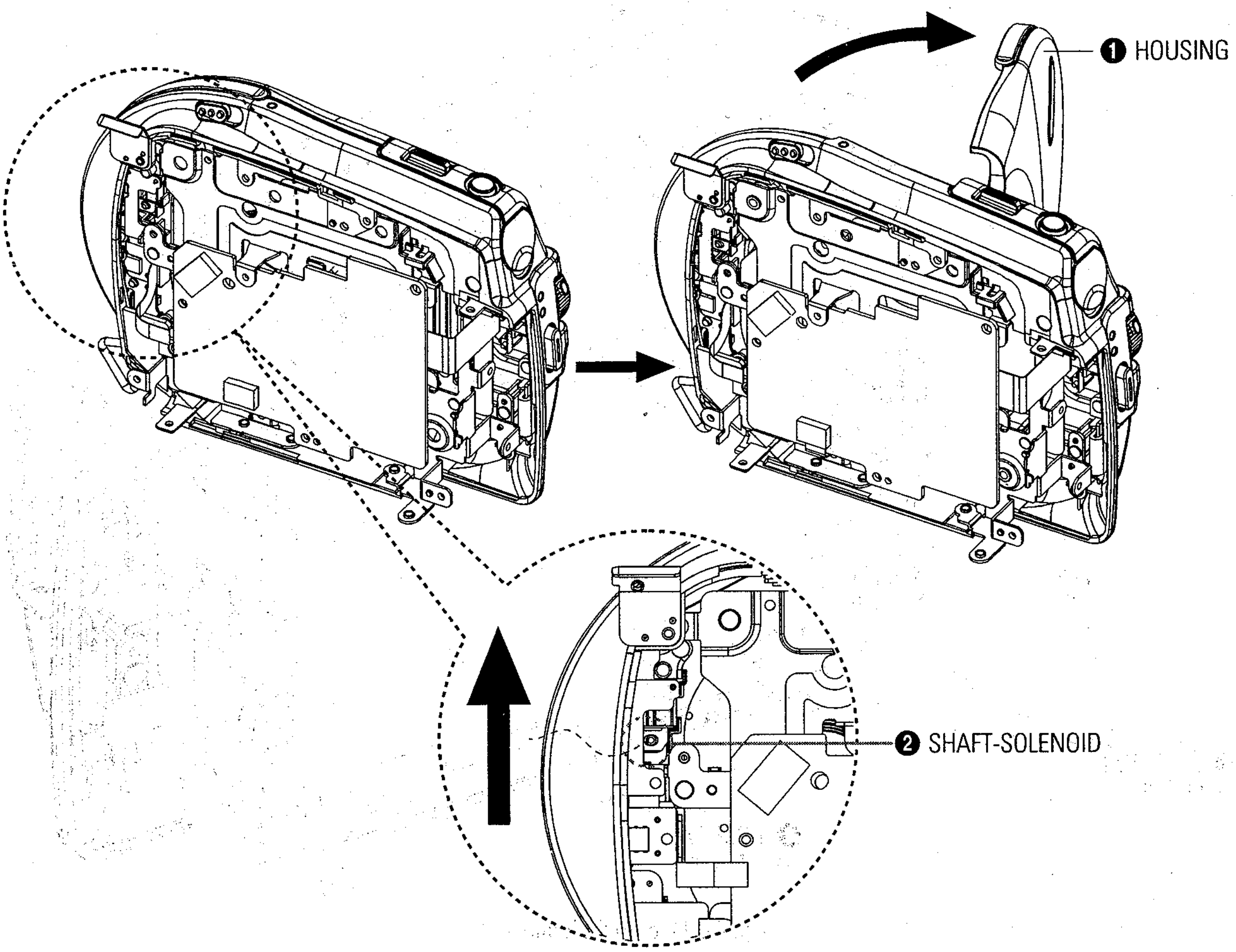

❶ HOUSING
❷ SHAFT-SOLENOID

Fig. 4-8 Inner Right Removal 2

4-1-9 Inner-Right Removal 3

1) Remove Ass'y Belt Grip ❶.
2) Remove 4 Screws ❷, ❸.
3) Remove Inner Right ❹.

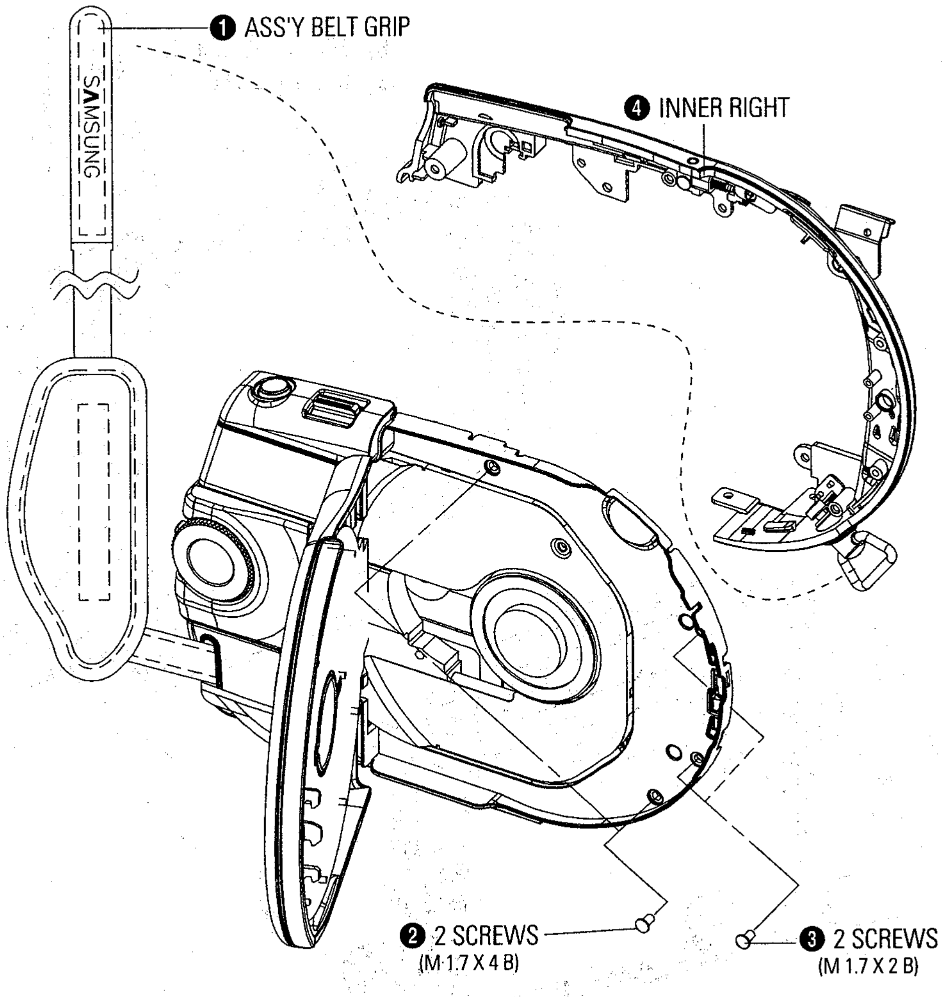
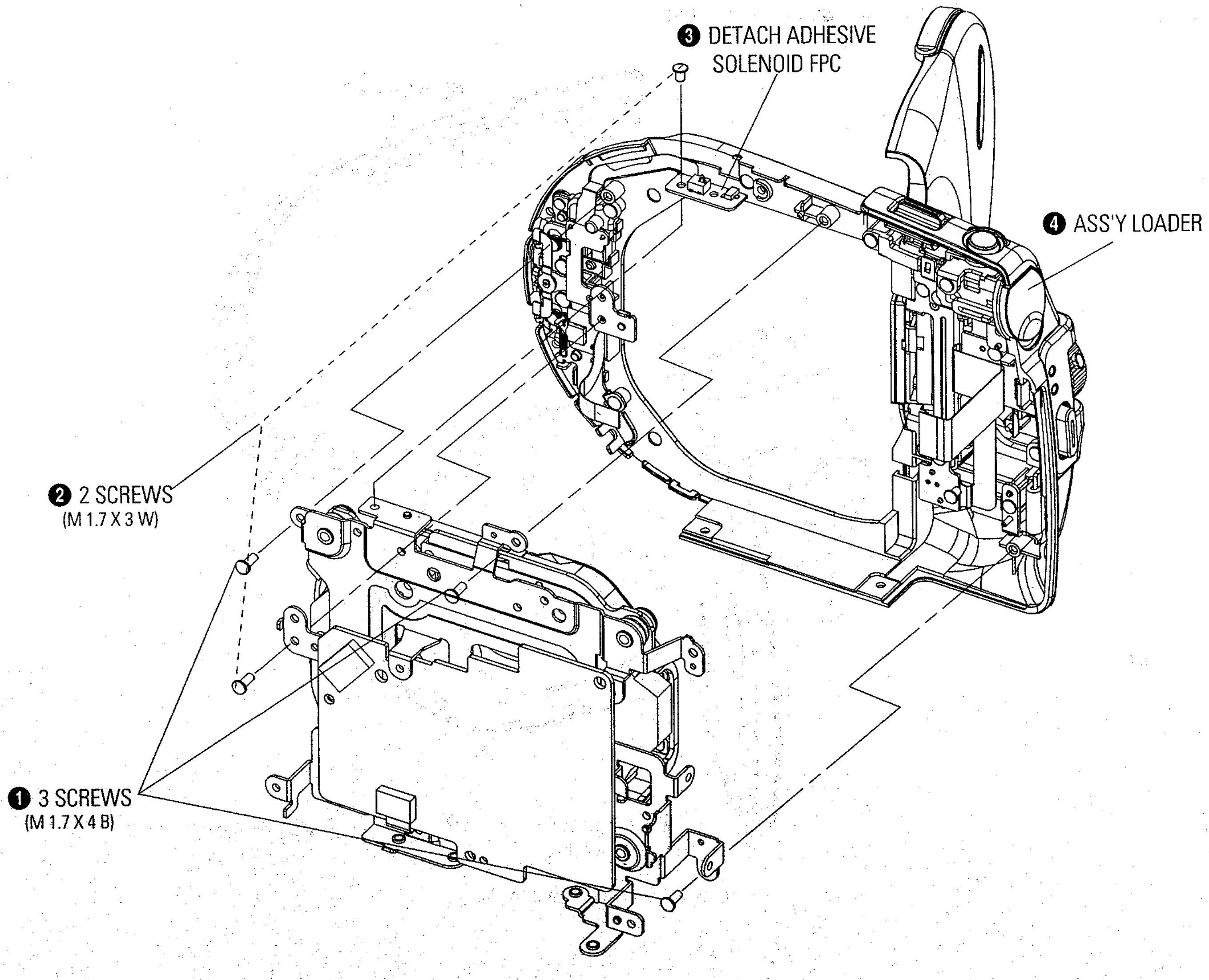

❶ ASS'Y BELT GRIP
SAMSUNG
❹ INNER RIGHT
❷ 2 SCREWS
(M 1.7 X 4 B)
❸ 2 SCREWS
(M 1.7 X 2 B)

Fig. 4-9 Inner Right Removal 3

4-1-10 Ass'y Loader Removal

1) Remove 5 Screws ❶, ❷.
2) Detach Adhesive Solenoid FPC ❸.
3) Remove Ass'y Loader ❹.


❸ DETACH ADHESIVE
SOLENOID FPC
❹ ASS'Y LOADER
❷ 2 SCREWS
(M 1.7 X 3 W)
❶ 3 SCREWS
(M 1.7 X 4 B)

CAUTION : No Touch the switch and soldering when the tape be detached or attached.

Fig. 4-10 Ass'y loader Removal

4-1-11 Solenoid FPC Removal

1) Remove 2 Screws ❶.
2) Detach Adhesive Solenoid FPC Point ❷, ❸,
3) Remove Solenoid FPC ❹.

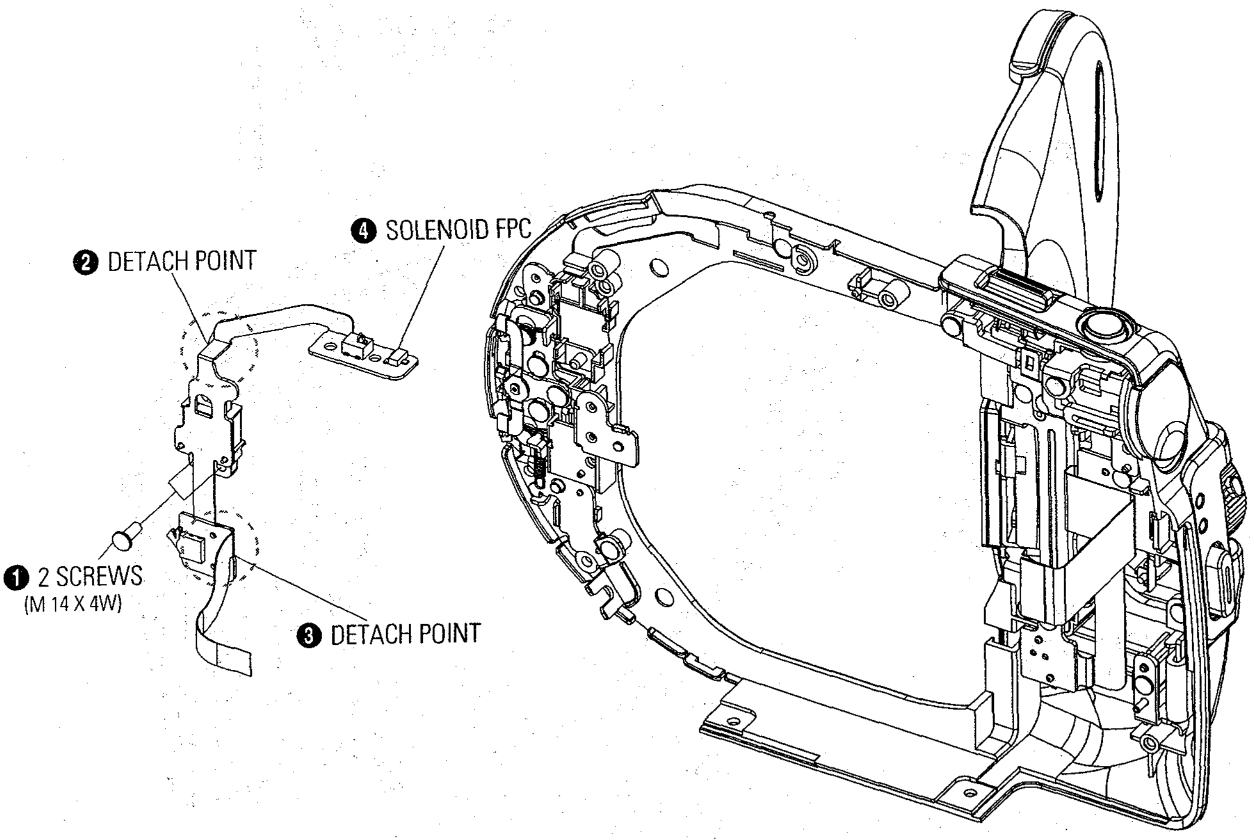

❹ SOLENOID FPC
❷ DETACH POINT
❶ 2 SCREWS
(M 14 X 4W)
❸ DETACH POINT

Fig. 4-11 Solenoid FPC Removal

4-1-12 Ass'y Eject Removal

1) Remove 3 Screws ❶, ❷.
2) Remove Ass'y Eject ❸.

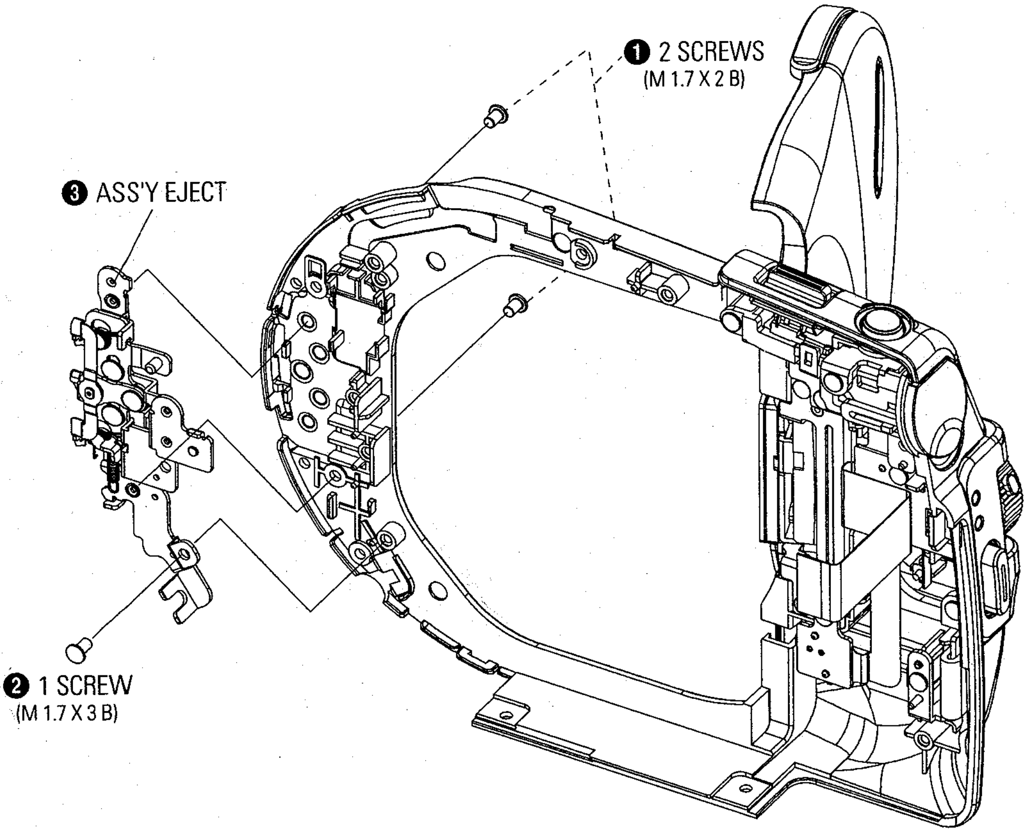

❶ 2 SCREWS
(M 1.7 X 2 B)
❸ ASS'Y EJECT
❷ 1 SCREW
(M 1.7 X 3 B)

Fig. 4-12 Ass'y Eject Removal

4-1-13 Ass'y Zoom Removal

1) Remove 5 Screws ❶.
2) Open Ass'y Zoom ❷.

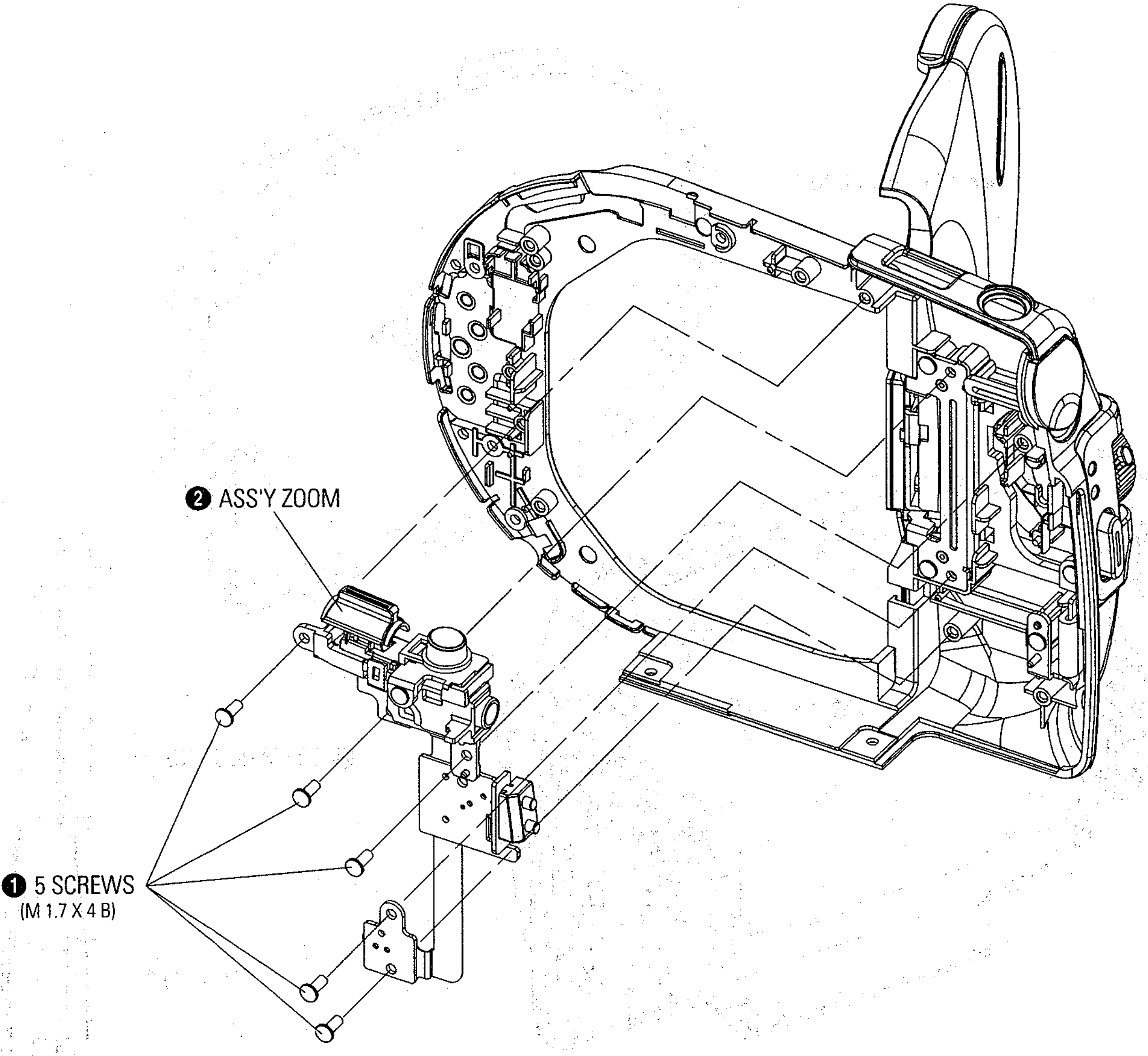

❷ ASS'Y ZOOM
❶ 5 SCREWS
(M 1.7 X 4 B)

Fig. 4-13 Ass'y Zoom Removal

4-1-14 Ass'y Housing Removal

1) Remove 2 Screws ❶.
2) Open the Cover Housing ❷ up to 85°
3) Remove Ass'y Housing ❸.

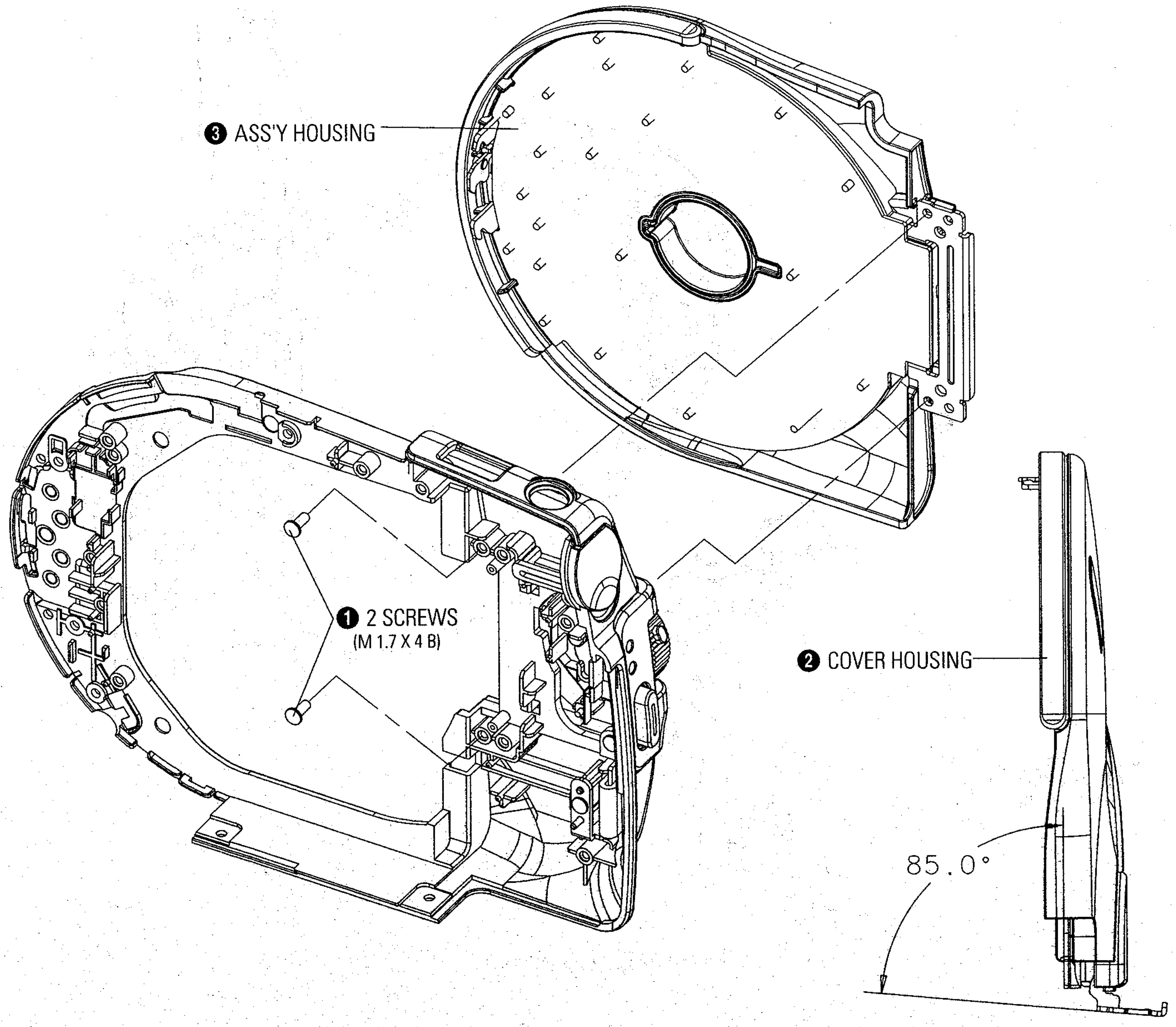

❸ ASS'Y HOUSING
❶ 2 SCREWS
(M 1.7 X 4 B)
❷ COVER HOUSING
85.0°

Fig. 4-14 Ass'y Housing Removal

4-1-15 Ass'y Power Removal

1) Remove 2 Screws ❶.
2) Remove 2 Hooks ❷.
3) Remove Ass'y Power ❸.

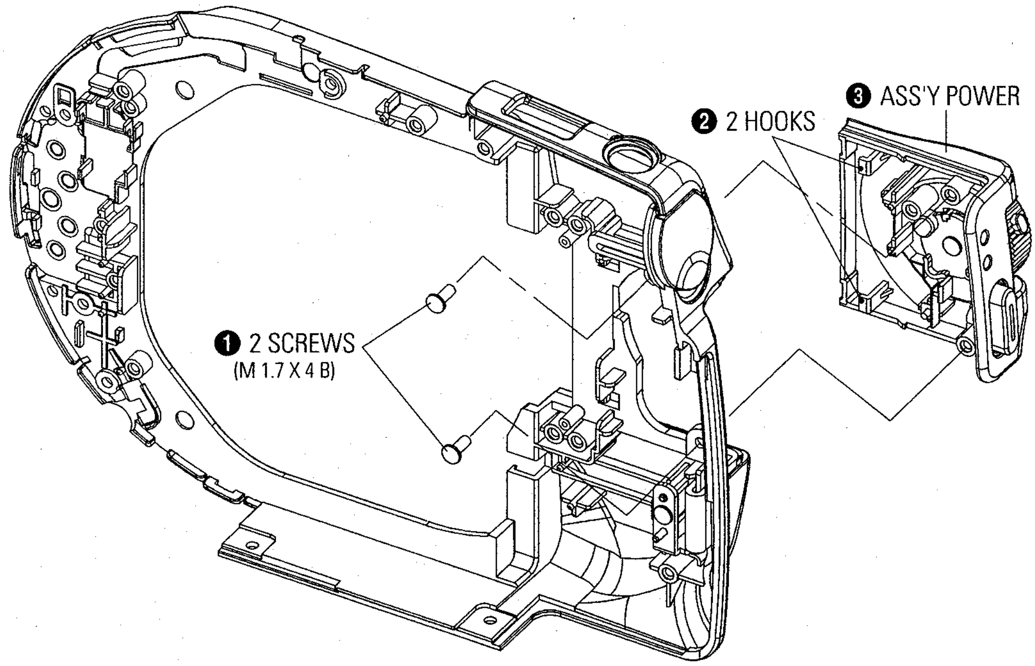

❶ 2 SCREWS
(M 1.7 X 4 B)
❷ 2 HOOKS
❸ ASS'Y POWER

Fig. 4-15 Ass'y Power Removal

MEMO

5. Exploded View and Parts List

5-1 Ass'y Chassis (VP-DC161(W)(I)) -- 5-2

5-2 Ass'y Chassis (VP-DC163(W)(I)) -- 5-4

5-3 Ass'y Chassis (VP-DC165W(I)) -- 5-6

5-4 Ass'y Right -- 5-8

5-5 Ass'y left (VP-DC161(W)(I)) -- 5-10

5-6 Ass'y left (VP-DC163(W)(I)/DC165W(I))-- 5-12

5-7 Ass'y Rear-- 5-14

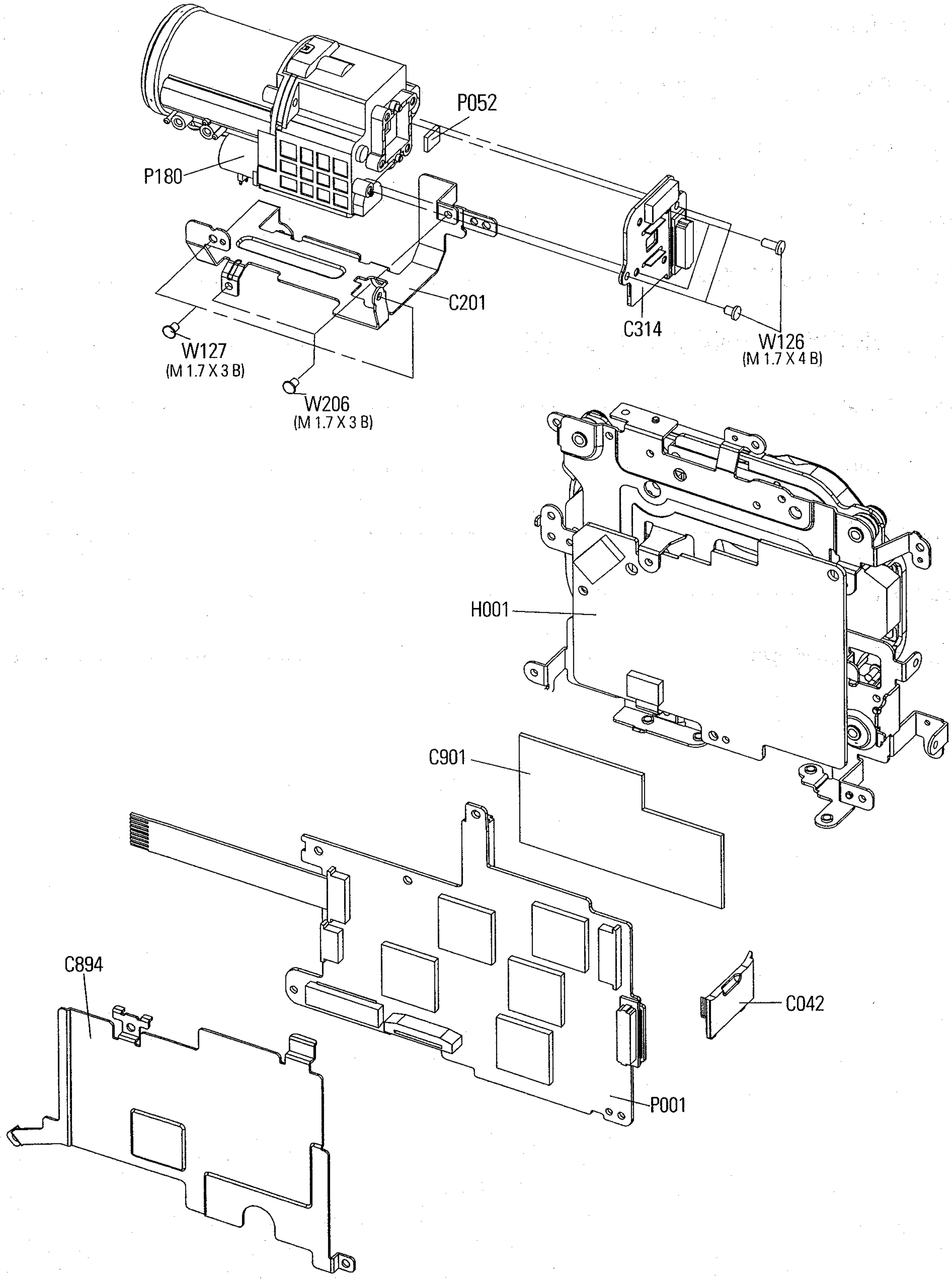
5-8 Ass'y Top-- 5-16

5-9 Ass'y LCD -- 5-18

5-10 Ass'y Front-- 5-20

5-11 Ass'y Inner Right -- 5-21

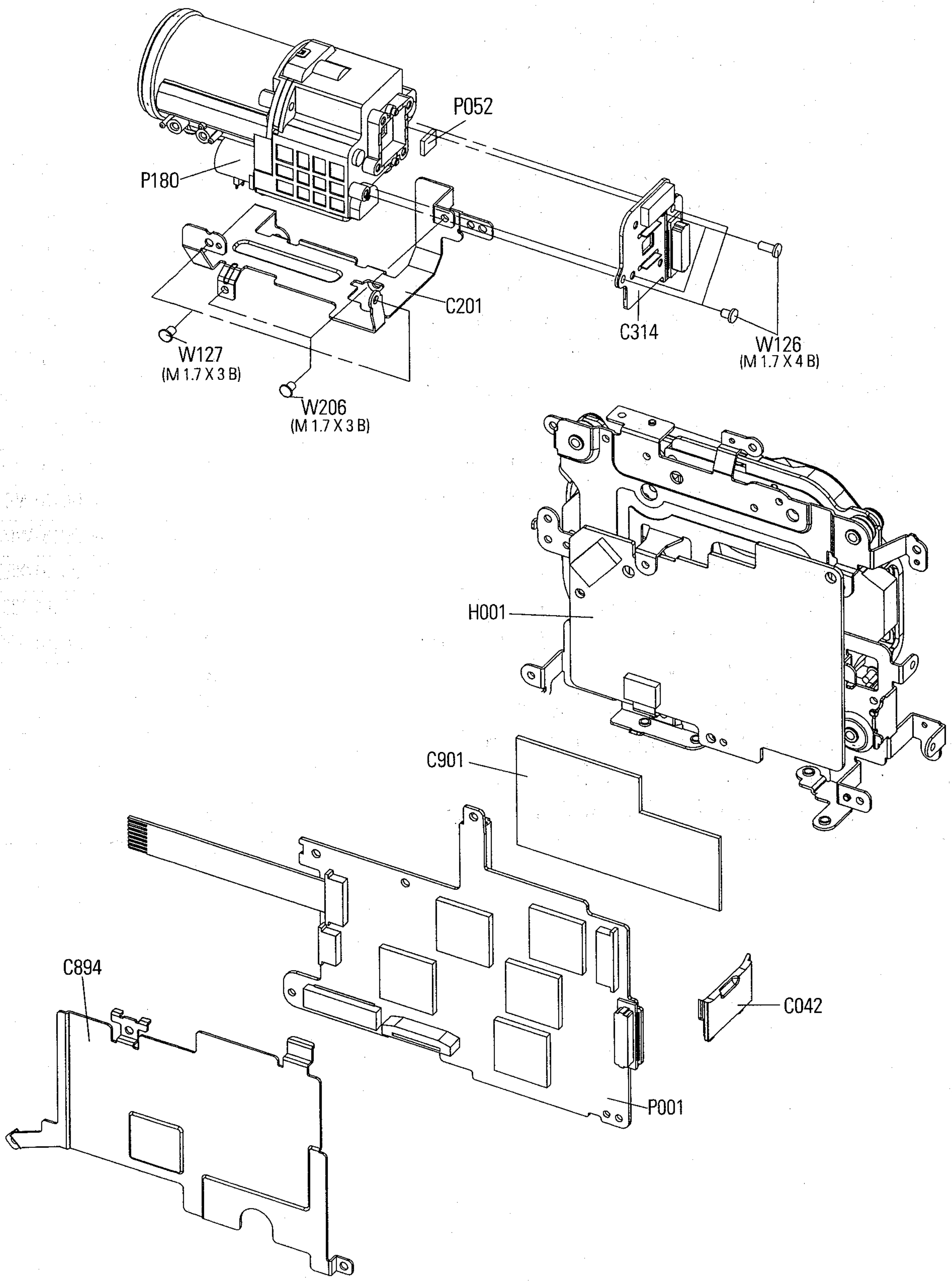
5-1 Ass'y Chassis(VP-DC161(W)(I))


P052
P180
C201
C314
W126
(M 1.7 X 4 B)
W127
(M 1.7 X 3 B)
W206
(M 1.7 X 3 B)
H001
C901
C894
C042
P001

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C042	AD63-00584B	COVER-JIG;OMEGA2-PJ(2M),ABS 94HB,T2	1	SA	
C201	AD61-02400A	BRACKET-LENS;RAINBOW1(33X),SUS304 1	1	SA	
C314	AD97-10721A	ASSY-CCD;-,RAINBOW,PAL,ASSY-CCD, PA	1	SA	
C894	AD62-00045A	HEAT SINK-A;RAINBOW1(33x),CU,T0.5,W	1	SA	
C901	AD62-00046A	HEAT SINK-B;RAINBOW1(33x),CU,T0.5,W	1	SA	
H001	AD97-10820A	ASSY-LOADER DVD;ASSY,Rainbow,TS-S51	1	SA	
P001	AD92-00036N	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161/SEO
	AD92-00036A	ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA	1	SA	VP-DC161/XEO
	AD92-00036A	ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA	1	SA	VP-DC161/XET
	AD92-00036A	ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA	1	SA	VP-DC161/XEU
	AD92-00036P	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161W/SEO
	AD92-00036G	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161W/XEE
	AD92-00036G	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161W/XEF
	AD92-00036G	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161W/XEG
	AD92-00036G	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161W/XET
	AD92-00036G	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161W/XEU
	AD92-00036H	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161WI/XEV
	AD92-00036A	ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA	1	SA	VP-DC161/XEE
	AD92-00036A	ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA	1	SA	VP-DC161/XEF
	AD92-00036A	ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA	1	SA	VP-DC161/XEG
P052	AD67-00369A	LENS FILTER-OLPF LSSS1;SPML,IR CUT/	1	SA	
P180	AD97-11168A	ASSY-ZOOM LENS;PC,LSSS1,33X LENS	1	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	4	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	2	SA	
W206	6001-001373	SCREW-MACHINE;PH,T0.5,+,-,M1.7,L3.0	2	SA	

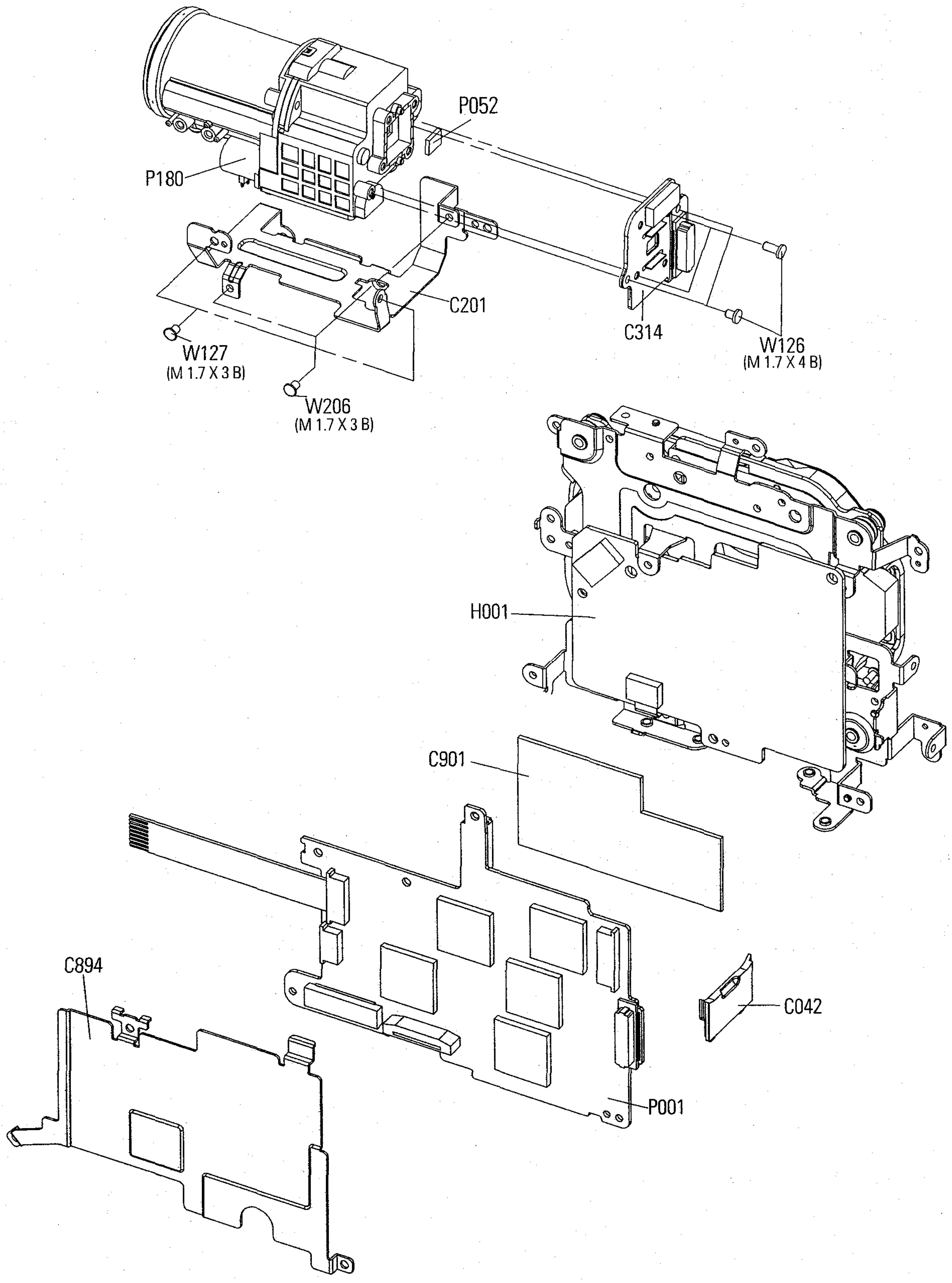
5-2 Ass'y Chassis (VP-DC163(W)(I))


P052
P180
C201
C314
W126
(M 1.7 X 4 B)
W127
(M 1.7 X 3 B)
W206
(M 1.7 X 3 B)
H001
C901
C894
C042
P001

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C042	AD63-00584B	COVER-JIG;OMEGA2-PJ(2M),ABS 94HB,T2	1	SA	
C201	AD61-02400A	BRACKET-LENS;RAINBOW1(33X),SUS304 1	1	SA	
C314	AD97-10721A	ASSY-CCD;-,RAINBOW,PAL,ASSY-CCD, PA	1	SA	
C894	AD62-00045A	HEAT SINK-A;RAINBOW1(33x),CU,T0.5,W	1	SA	
C901	AD62-00046A	HEAT SINK-B;RAINBOW1(33x),CU,T0.5,W	1	SA	
H001	AD97-10820A	ASSY-LOADER DVD;ASSY,Rainbow,TS-S51	1	SA	
P001	AD97-10596C	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/AND
	AD97-10596C	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/CDM
	AD97-10596C	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/KNT
	AD92-00036Q	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/SEO
	AD97-10596C	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/XEF
	AD97-10596C	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/XEG
	AD97-10596C	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/XEO
	AD97-10596C	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163/XET
	AD92-00032A	ASSY PCB-MAIN BOARD;VP-DC163I/CHN (	1	SA	VP-DC163I/CHN
	AD92-00036C	ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R	1	SA	VP-DC163I/HAC
	AD92-00036C	ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R	1	SA	VP-DC163I/MEA
	AD92-00036C	ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R	1	SA	VP-DC163I/SEA
	AD92-00036C	ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R	1	SA	VP-DC163I/TAW
	AD92-00036C	ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R	1	SA	VP-DC163I/UMG
	AD92-00036J	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC163I/XEV
	AD92-00036C	ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R	1	SA	VP-DC163I/XSH
	AD92-00036C	ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R	1	SA	VP-DC163I/XST
P052	AD67-00369A	LENS FILTER-OLPF LSSS1;SPML,IR CUT/	1	SA	
P180	AD97-11168A	ASSY-ZOOM LENS;PC,LSSS1,33X LENS	1	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	4	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	2	SA	
W206	6001-001373	SCREW-MACHINE;PH,T0.5,+,-,M1.7,L3.0	2	SA	

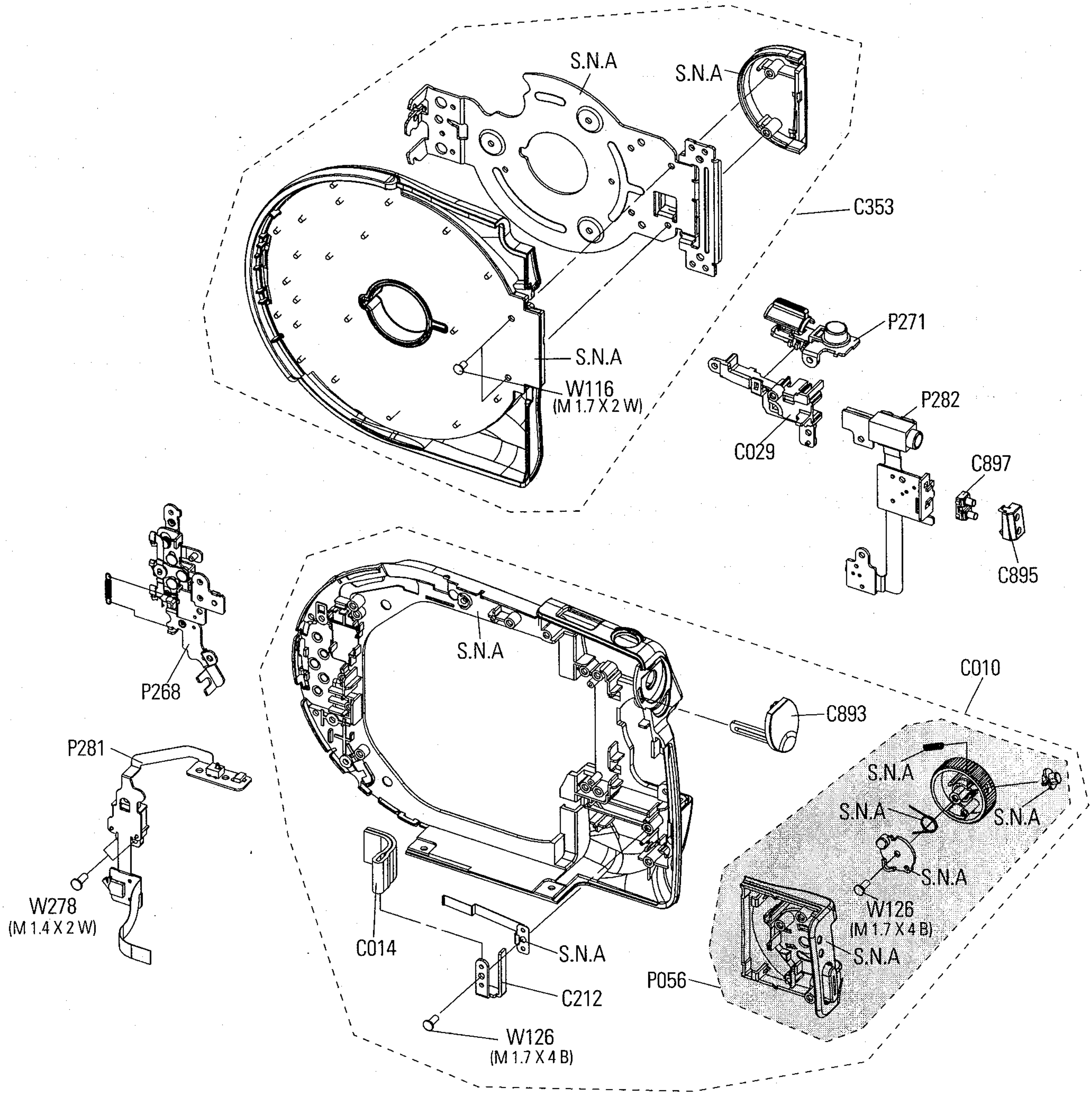
5-3 Ass'y Chassis (VP-DC165W(I))


P052
P180
C201
C314
W126
(M 1.7 X 4 B)
W127
(M 1.7 X 3 B)
W206
(M 1.7 X 3 B)
H001
C901
C894
C042
P001

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C042	AD63-00584B	COVER-JIG;OMEGA2-PJ(2M),ABS 94HB,T2	1	SA	
C201	AD61-02400A	BRACKET-LENS;RAINBOW1(33X),SUS304 1	1	SA	
C314	AD97-10721A	ASSY-CCD;-,RAINBOW,PAL,ASSY-CCD, PA	1	SA	
C894	AD62-00045A	HEAT SINK-A;RAINBOW1(33x),CU,T0.5,W	1	SA	
C901	AD62-00046A	HEAT SINK-B;RAINBOW1(33x),CU,T0.5,W	1	SA	
H001	AD97-10820A	ASSY-LOADER DVD;ASSY,Rainbow,TS-S51	1	SA	
P001	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/CDM
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEE
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEG
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEO
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XET
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEU
	AD92-00036L	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC165WI/XEV
	AD92-00036L	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC165WI/XSH
	AD92-00036F	ASSY PCB-MAIN BOARD;VP-DC165WI/CHN,	1	SA	VP-DC165WI/CHN
P052	AD67-00369A	LENS FILTER-OLPF LSSS1;SPML,IR CUT/	1	SA	
P180	AD97-11168A	ASSY-ZOOM LENS;PC,LSSS1,33X LENS	1	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	4	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	2	SA	
W206	6001-001373	SCREW-MACHINE;PH,T0.5,+,-,M1.7,L3.0	2	SA	

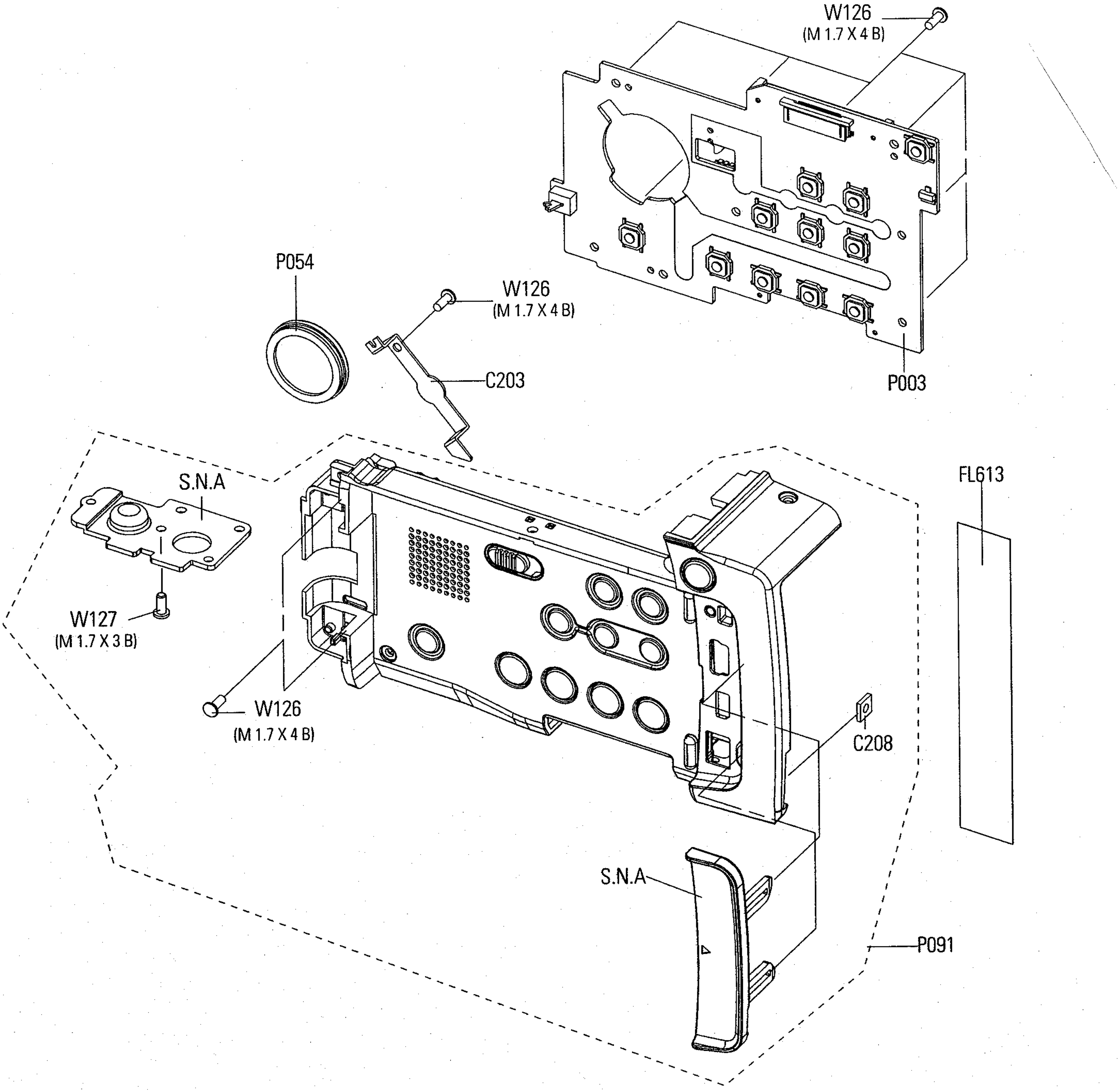
5-4 Ass'y Right


S.N.A
S.N.A
C353
P271
S.N.A
W116
(M 1.7 X 2 W)
P282
C029
C897
C895
P268
S.N.A
C010
C893
P281
S.N.A
S.N.A
S.N.A
S.N.A
W126
(M 1.7 X 4 B)
S.N.A
W278
(M 1.4 X 2 W)
C014
S.N.A
P056
C212
W126
(M 1.7 X 4 B)

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C010	AD97-10857E	ASSY-CASE RIGHT;RAINBOW,MEGA,DOM	1	SA	VP-DC161
	AD97-10857E	ASSY-CASE RIGHT;RAINBOW,MEGA,DOM	1	SA	VP-DC161W
	AD97-10857E	ASSY-CASE RIGHT;RAINBOW,MEGA,DOM	1	SA	VP-DC161WI
	AD97-10857A	ASSY-CASE RIGHT;ASSY,RAINBOW1(33X),	1	SA	VP-DC163
	AD97-10857A	ASSY-CASE RIGHT;ASSY,RAINBOW1(33X),	1	SA	VP-DC163I
	AD97-10857A	ASSY-CASE RIGHT;ASSY,RAINBOW1(33X),	1	SA	VP-DC165W
	AD97-10857A	ASSY-CASE RIGHT;ASSY,RAINBOW1(33X),	1	SA	VP-DC165WI
C014	AD97-10821A	ASSY-BELT GRIP;ASSY,RAINBOW1(33X),-	1	SA	
C029	AD61-02391A	HOLDER-ZOOM;RAINBOW1(33X),ABS94HB,T	1	SA	
C212	AD61-01307A	BRACKET-GRIP BACK;THETA-PJ,SUS,T0.8	1	SA	
C353	AD97-10859A	ASSY-HOUSING;ASSY,RAINBOW1(33X),-	1	SA	
C893	AD63-00912A	COVER-MIC JACK;RAINBOW1(33X),ABS94H	1	SA	
C895	AD61-02399A	HOLDER-INDICATOR;RAINBOW1(33X),POM,	1	SA	
C897	AD64-01500A	INDICATOR-MODE;RAINBOW1(33X),ABS 94	1	SA	
P056	AD97-10852A	ASSY-POWER;ASSY,RAINBOW1(33X),-	1	SA	
P268	AD97-11494A	ASSY-EJECT;ASSY,RAINBOW1(33X),NEW	1	SA	
P271	AD97-10853B	ASSY-SEMI ZOOM;RAINBOW,VP-DC161,NO	1	SA	VP-DC161
	AD97-10853B	ASSY-SEMI ZOOM;RAINBOW,VP-DC161,NO	1	SA	VP-DC161W
	AD97-10853B	ASSY-SEMI ZOOM;RAINBOW,VP-DC161,NO	1	SA	VP-DC161WI
	AD97-10853A	ASSY-SEMI ZOOM;ASSY,RAINBOW1(33X),-	1	SA	VP-DC163
	AD97-10853A	ASSY-SEMI ZOOM;ASSY,RAINBOW1(33X),-	1	SA	VP-DC163I
	AD97-10853A	ASSY-SEMI ZOOM;ASSY,RAINBOW1(33X),-	1	SA	VP-DC165W
	AD97-10853A	ASSY-SEMI ZOOM;ASSY,RAINBOW1(33X),-	1	SA	VP-DC165WI
P281	AD97-10967A	ASSY PCB-EJECT FPC;RAINBOW1-PJ,ASSY	1	SA	
P282	AD97-10966A	ASSY PCB-POWER FPC;RAINBOW1-PJ,ASSY	1	SA	
W116	6001-001527	SCREW-MACHINE;CH(0.3),+,M1.7,L2.0,N	2	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	2	SA	
W278	6003-001166	SCREW-TAPTITE;CH,+,B,M1.4,L4,NI PLT	2	SA	

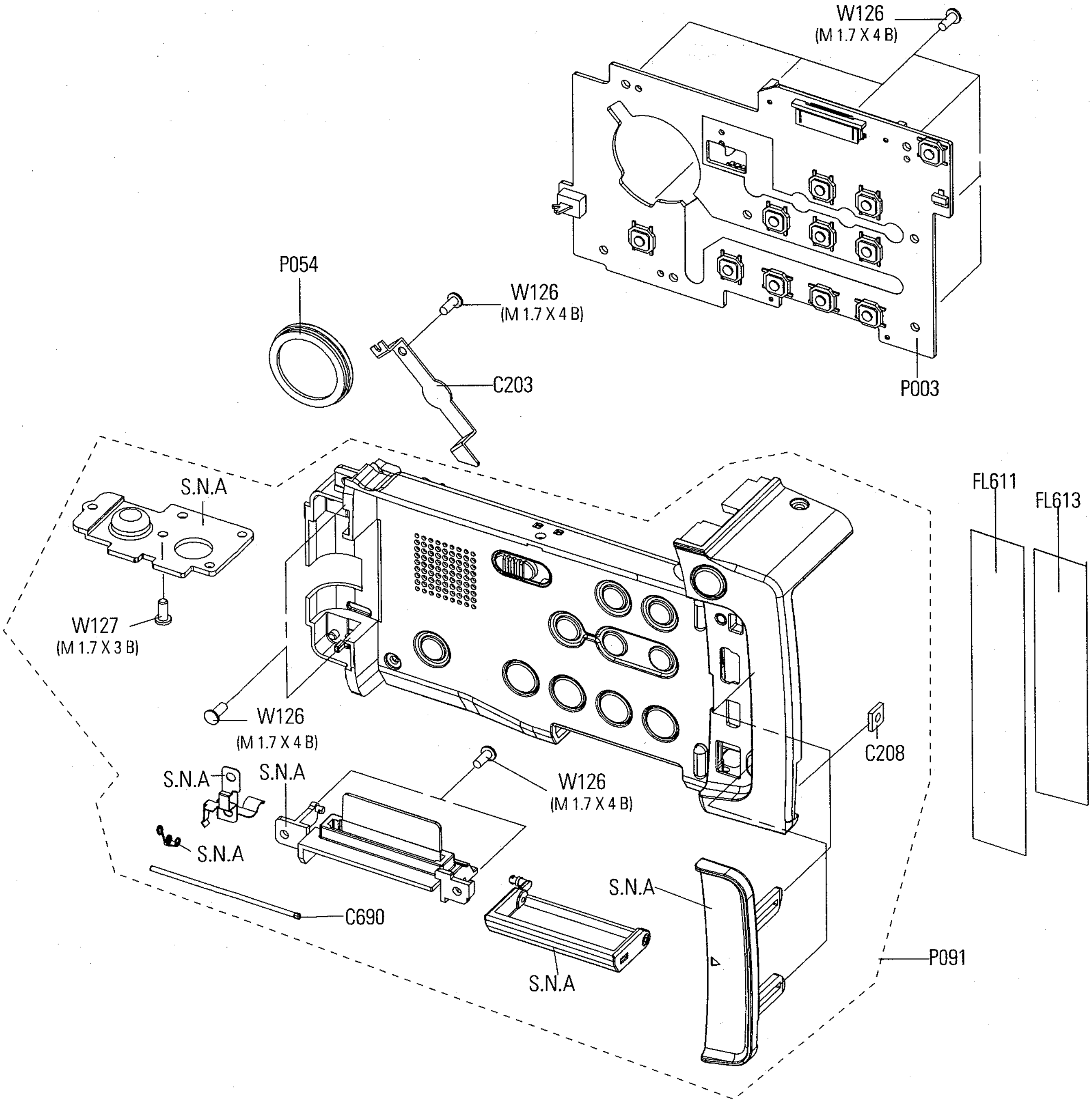
5-5 Ass'y Left (VP-DC161(W)(I))


W126
(M 1.7 X 4 B)
P054
W126
(M 1.7 X 4 B)
C203
P003
S.N.A
FL613
W127
(M 1.7 X 3 B)
W126
(M 1.7 X 4 B)
C208
S.N.A
P091

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C203	AD61-02443A	BRACKET-SPEAKER;RAINBOW1(33X),STS,T	1	SA	
C208	AD61-12033A	BRACKET-NUT;SV-D10,SECC,-,-,-,-,T0.	1	SA	
FL613	AD41-00797A	FPC-51PIN;RAINBOW1-PJ,0,POLYAMID,51	1	SA	
P003	AD92-00040A	ASSY PCB-LEFT BOARD;RAINBOW-PJ,VP-D	1	SA	
P054	AD97-04289A	ASSY-SPEAKER;-,D5-PJ,G-17S08-0823	1	SA	
P091	AD97-10964H	ASSY-CASE LEFT;ASSY,RAINBOW1(33X),V	1	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	9	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	1	SA	

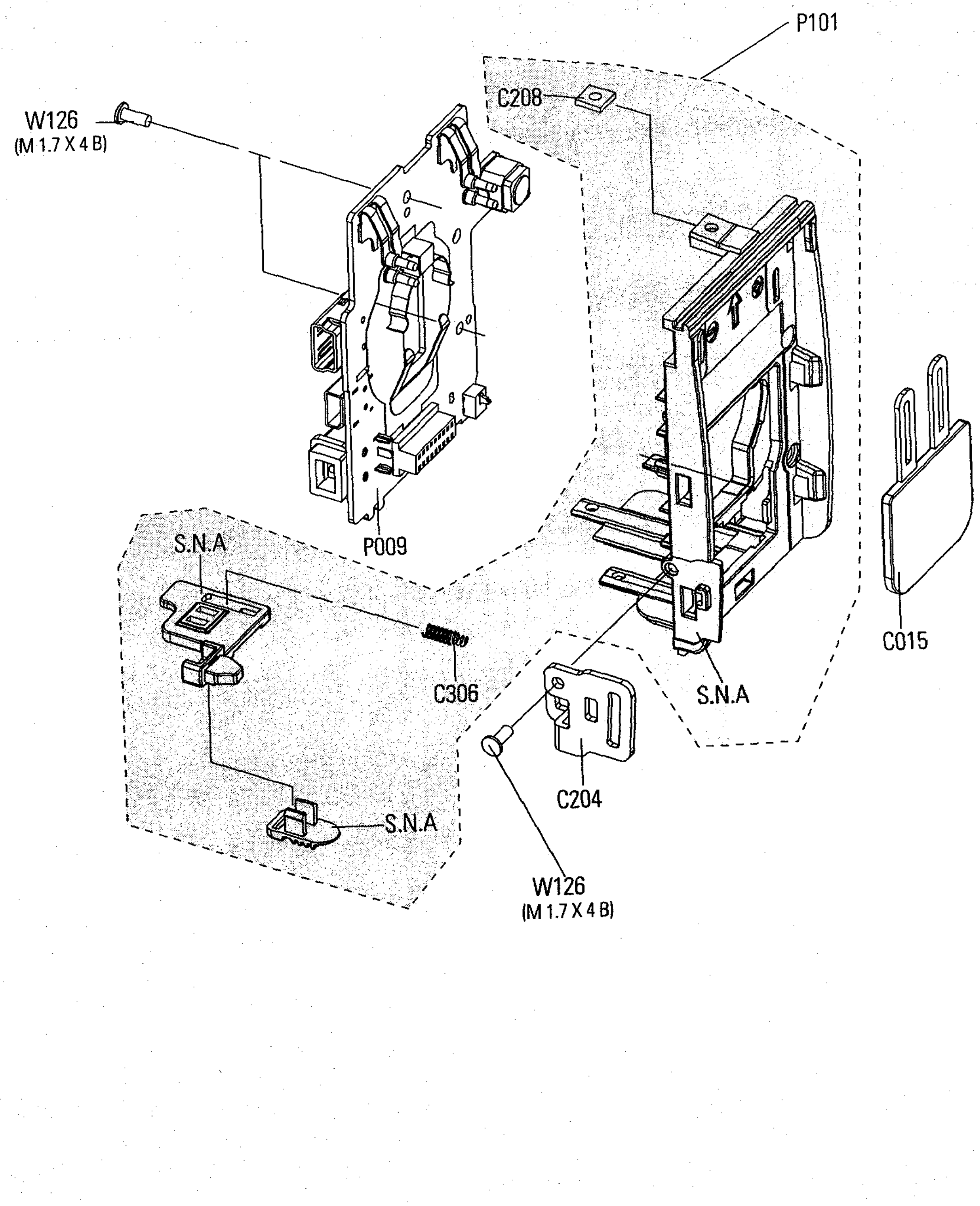
5-6 Ass'y Left (VP-DC163(W)(I)/DC165W(I))


W126
(M 1.7 X 4 B)
P054
W126
(M 1.7 X 4 B)
C203
P003
S.N.A
FL611
FL613
W127
(M 1.7 X 3 B)
W126
(M 1.7 X 4 B)
C208
S.N.A
S.N.A
W126
(M 1.7 X 4 B)
S.N.A
S.N.A
C690
S.N.A
P091

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C203	AD61-02443A	BRACKET-SPEAKER;RAINBOW1(33X),STS,T	1	SA	
C208	AD61-12033A	BRACKET-NUT;SV-D10,SECC,-,-,-,-,T0.	1	SA	
C690	AD66-00358A	SHAFT-DOOR MS;GAMMA3-PJ,SUS301,L32,	1	SA	
FL611	3809-001778	FFC CABLE-FLAT;30V,80,65mm,22P,0.5m	1	SA	
FL613	AD41-00797A	FPC-51PIN;RAINBOW1-PJ,0,POLYAMID,51	1	SA	
P003	AD97-10598A	ASSY PCB-LEFT BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC163
	AD97-10598A	ASSY PCB-LEFT BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC163I
	AD97-10598A	ASSY PCB-LEFT BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC165W
	AD97-10598A	ASSY PCB-LEFT BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC165WI
P054	AD97-04289A	ASSY-SPEAKER;-,D5-PJ,G-17S08-0823	1	SA	
P091	AD97-10964A	ASSY-CASE LEFT;ASSY,RAINBOW(33X),-	1	SA	VP-DC163
	AD97-10964A	ASSY-CASE LEFT;ASSY,RAINBOW(33X),-	1	SA	VP-DC163I
	AD97-10964C	ASSY-CASE LEFT;ASSY,RAINBOW1(33X),D	1	SA	VP-DC165W
	AD97-10964C	ASSY-CASE LEFT;ASSY,RAINBOW1(33X),D	1	SA	VP-DC165WI
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	11	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	1	SA	

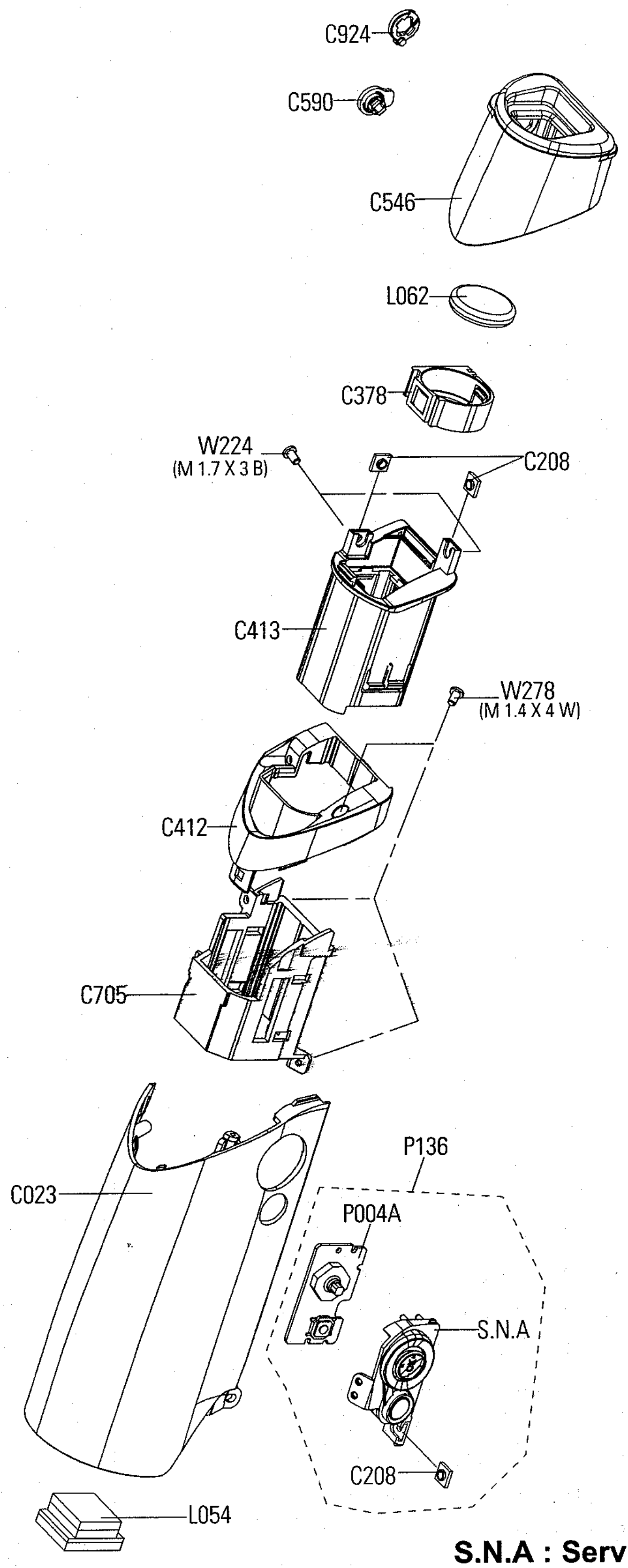
5-7 Ass'y Rear


P101
C208
W126
(M 1.7 X 4 B)
P009
S.N.A
C306
S.N.A
C015
C204
S.N.A
W126
(M 1.7 X 4 B)

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C015	AD63-00928A	COVER-LI BATTERY;DRAGON2-PJ,ABS94 G	1	SA	
C204	AD61-02418A	BRACKET-SHOULDER STRAP;RAINBOW1(33X	1	SA	
C208	AD61-12033A	BRACKET-NUT;SV-D10,SECC,-,-,-,-,T0.	1	SA	
C306	AD61-01625B	SPRING ETC-BATTERY EJECT;THETA2-PJ,	1	SA	
P009	AD92-00041A	ASSY PCB-REAR BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161
	AD92-00041A	ASSY PCB-REAR BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161W
	AD92-00041A	ASSY PCB-REAR BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC161WI
	AD97-10597A	ASSY PCB-REAR BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC163
	AD97-10597A	ASSY PCB-REAR BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC163I
	AD97-10597A	ASSY PCB-REAR BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC165W
	AD97-10597A	ASSY PCB-REAR BOARD;RAINBOW-PJ,SC-D	1	SA	VP-DC165WI
P101	AD97-10903A	ASSY-CASE REAR;ASSY,RAINBOW1(33X),-	1	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	3	SA	

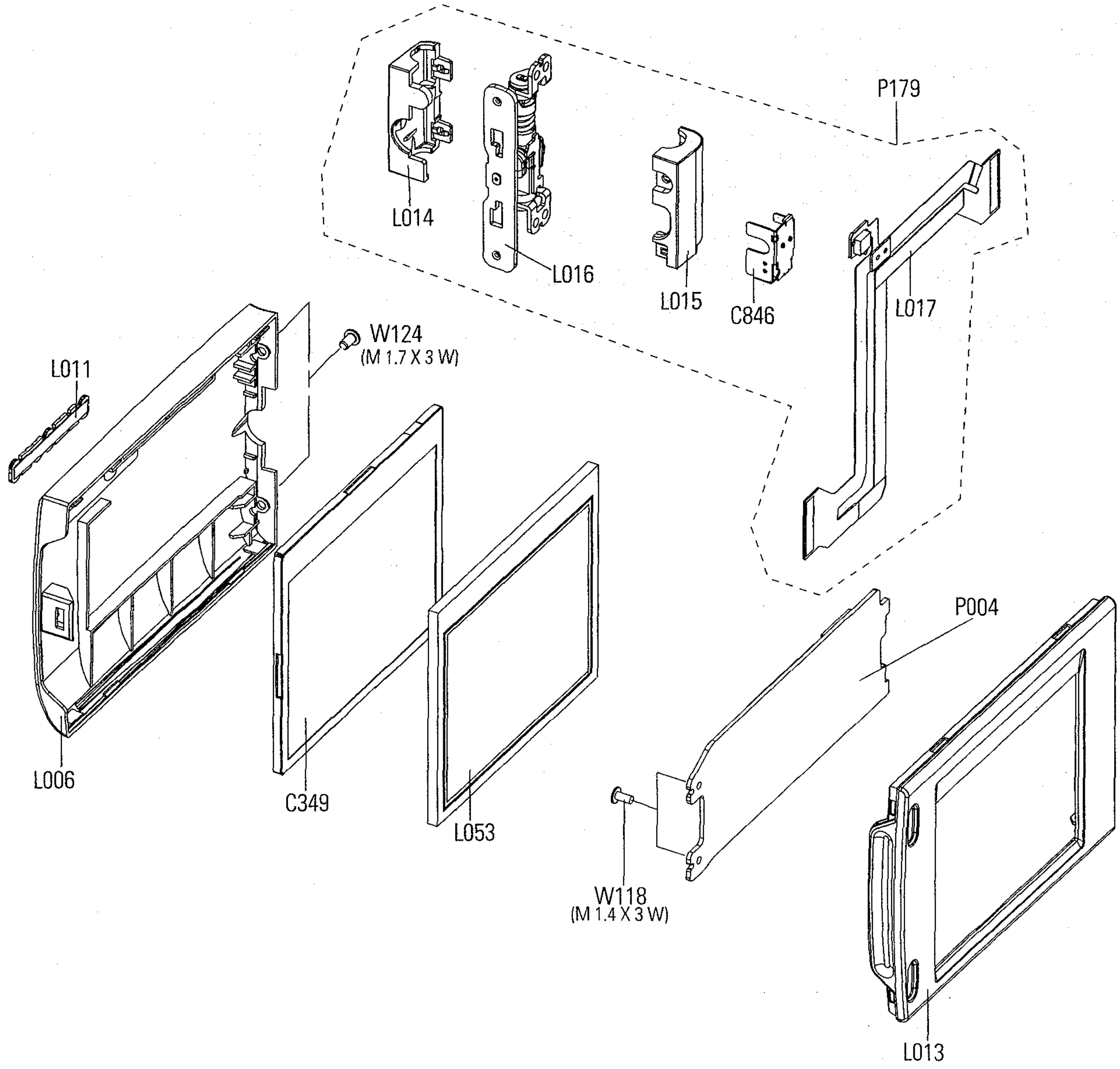
5-8 Ass'y Top/CVF


C924
C590
C546
L062
C378
W224
(M 1.7 X 3 B)
C208
C413
W278
(M 1.4 X 4 W)
C412
C705
C023
P136
P004A
S.N.A
C208
L054

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C023	AD61-02383A	CASE-TOP;RAINBOW1(33X),PC+ABS94HB,T	1	SA	
C208	AD61-12033A	BRACKET-NUT;SV-D10,SECC,-,-,-,-,T0.	3	SA	
C378	AD61-02388A	HOLDER-CVF LENS;RAINBOW1(33X),ABS94	1	SA	
C412	AD61-02382A	CASE-CVF BODY;RAINBOW1(33X),PC+ABS9	1	SA	
C413	AD61-02386A	CASE-CVF SLIDE;RAINBOW1(33X),PC(BLK	1	SA	
C546	AD63-00901A	COVER-EYE CUP;RAINBOW1(33X),PC+ABS9	1	SA	
C590	AD64-01482A	KNOB-CVF SLIDE;RAINBOW1(33X),PC(BLK	1	SA	
C705	AD63-00908A	COVER-CVF BODY;RAINBOW1(33X),PC+ABS	1	SA	
C924	AD61-02034A	HOLDER-CVF ROTATION;TIGER-PJ,ABS94H	1	SA	
L054	AD97-10939A	ASSY-UNIT CVF;ASSY,RAINBOW1(33X),0.	1	SA	
L062	AD67-00250A	LENS-EVF 18X-G1;SHML-PJ,PMMA,WHITE,	1	SA	
P004A	AD97-10599A	ASSY PCB-FUNCTION BOARD;RAINBOW-PJ,	1	SA	
P136	AD97-10989A	ASSY-FUCTION;ASSY,RAINBOW1(33X),-	1	SA	
W224	6001-000877	SCREW-MACHINE;CH,+,M1.7,L3,ZPC(BLK)	2	SA	
W278	6003-001166	SCREW-TAPTITE;CH,+,B,M1.4,L4,NI PLT	3	SA	

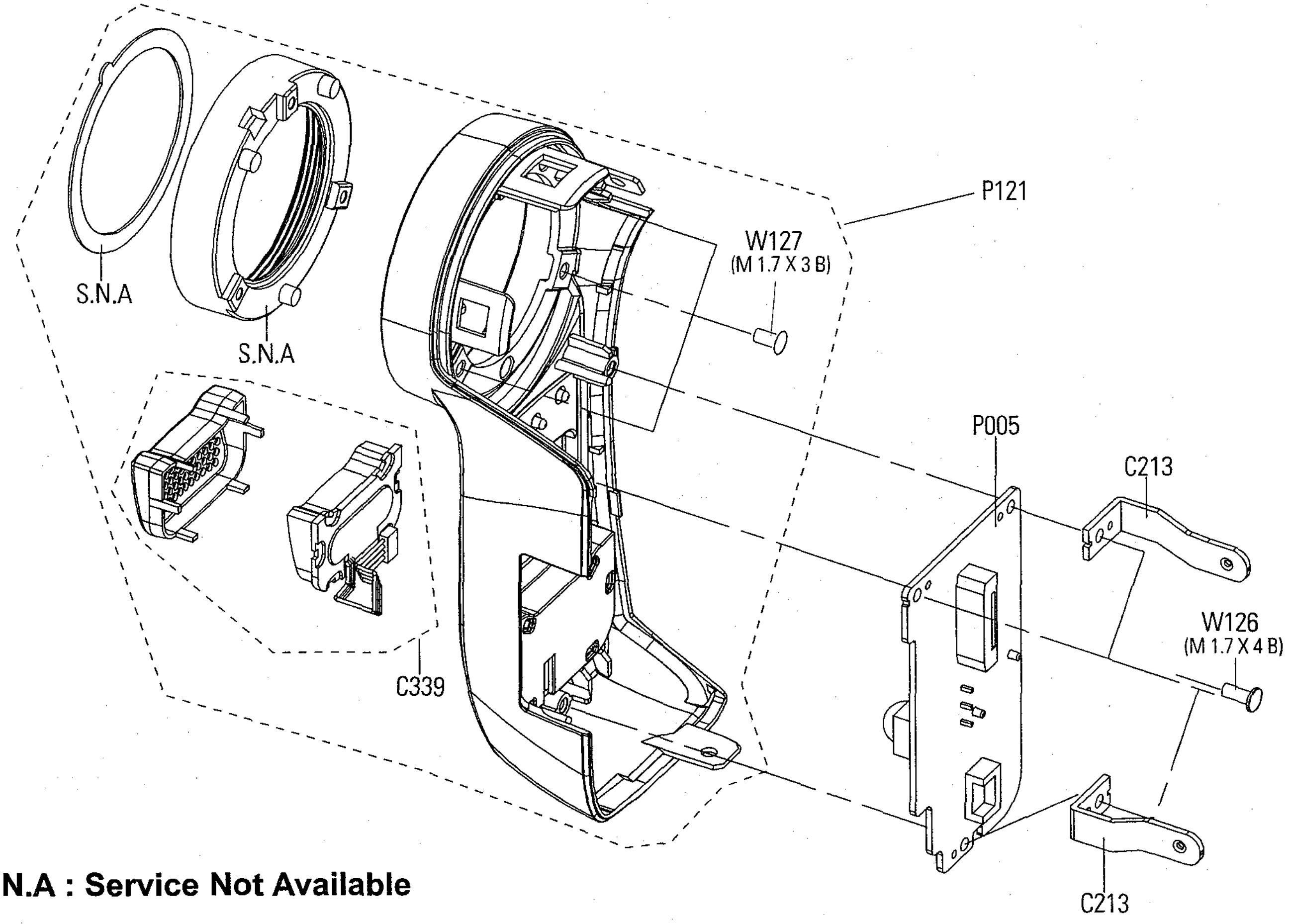
5-9 Ass'y LCD


P179
L014
L016
L015
C846
L017
W124
(M 1.7 X 3 W)
L011
L006
C349
L053
P004
W118
(M 1.4 X 3 W)
L013

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C349	AD97-09664A	ASSY-LED BL;-,DELTA3-PJ,LED BACK LI	1	SA	VP-DC161
	AD97-09664A	ASSY-LED BL;-,DELTA3-PJ,LED BACK LI	1	SA	VP-DC163
	AD97-09664A	ASSY-LED BL;-,DELTA3-PJ,LED BACK LI	1	SA	VP-DC163I
	AD97-10668A	ASSY-LED BL;(MIYAKAWA2.7,DRAGON2-PJ	1	SA	VP-DC161W
	AD97-10668A	ASSY-LED BL;(MIYAKAWA2.7,DRAGON2-PJ	1	SA	VP-DC161WI
	AD97-10668A	ASSY-LED BL;(MIYAKAWA2.7,DRAGON2-PJ	1	SA	VP-DC165W
	AD97-10668A	ASSY-LED BL;(MIYAKAWA2.7,DRAGON2-PJ	1	SA	VP-DC165WI
C846	AD61-02434A	BRACKET-GUIDE FPC;RAINBOW1(33X),STS	1	SA	
L006	AD61-02402A	CASE-LCD TOP;RAINBOW1(33X),PC+ABS94	1	SA	VP-DC163
	AD61-02402C	CASE-LCD TOP;RAINBOW1(33X),PC+ABS94	1	SA	VP-DC163I
	AD61-02402R	CASE-LCD TOP;RAINBOW1(33X),PC+ABS94	1	SA	VP-DC161
	AD61-02402S	CASE-LCD TOP;RAINBOW1(33X),PC+ABS94	1	SA	VP-DC161W
	AD61-02402S	CASE-LCD TOP;RAINBOW1(33X),PC+ABS94	1	SA	VP-DC161WI
	AD61-02402U	CASE-LCD TOP;RAINBOW1(33X),PC+ABS94	1	SA	VP-DC165W
	AD61-02402Z	CASE-LCD TOP;RAINBOW1(33X),PC+ABS94	1	SA	VP-DC165WI
L011	AD64-00808A	BADGE-SAMSUNG;ALPHA_PJ,AL,T0.7,-,-,	1	SA	
L013	AD61-02379A	CASE-LCD BOTTOM;RAINBOW1(26X),PC+AB	1	SA	VP-DC161
	AD61-02379A	CASE-LCD BOTTOM;RAINBOW1(26X),PC+AB	1	SA	VP-DC163
	AD61-02379A	CASE-LCD BOTTOM;RAINBOW1(26X),PC+AB	1	SA	VP-DC163I
	AD61-02380A	CASE-LCD BOTTOM;RAINBOW1(33X),PC+AB	1	SA	VP-DC161W
	AD61-02380A	CASE-LCD BOTTOM;RAINBOW1(33X),PC+AB	1	SA	VP-DC161WI
	AD61-02380A	CASE-LCD BOTTOM;RAINBOW1(33X),PC+AB	1	SA	VP-DC165W
	AD61-02380A	CASE-LCD BOTTOM;RAINBOW1(33X),PC+AB	1	SA	VP-DC165WI
L014	AD63-00902A	COVER-HINGE TOP;RAINBOW1(33X),PC+AB	1	SA	
L015	AD63-00903A	COVER-HINGE BOTTOM;RAINBOW1(33X),PC	1	SA	
L016	AD97-10863A	ASSY-HINGE;ASSY,RAINBOW1(33X),-	1	SA	
L017	AD97-10690A	ASSY-LCD FPC;-,DRAGON2-PJ,ASSY-LCD	1	SA	
L053	AD07-00049A	LCD-PANNEL;A024CN02 V0,DELTA3-PJ,48	1	SA	VP-DC161
	AD07-00055A	LCD-PANNEL;A027DL01 V0,RAINBOW2-PJ,	1	SA	VP-DC161W
	AD07-00055A	LCD-PANNEL;A027DL01 V0,RAINBOW2-PJ,	1	SA	VP-DC161WI
	AD07-00049A	LCD-PANNEL;A024CN02 V0,DELTA3-PJ,48	1	SA	VP-DC163
	AD07-00049A	LCD-PANNEL;A024CN02 V0,DELTA3-PJ,48	1	SA	VP-DC163I
	AD07-00055A	LCD-PANNEL;A027DL01 V0,RAINBOW2-PJ,	1	SA	VP-DC165W
	AD07-00055A	LCD-PANNEL;A027DL01 V0,RAINBOW2-PJ,	1	SA	VP-DC165WI
P004	AD92-00038A	ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO	1	SA	VP-DC161
	AD92-00038A	ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO	1	SA	VP-DC163
	AD92-00038A	ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO	1	SA	VP-DC163I
	AD92-00039A	ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.	1	SA	VP-DC161W
	AD92-00039A	ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.	1	SA	VP-DC161WI
	AD92-00039A	ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.	1	SA	VP-DC165W
	AD92-00039A	ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.	1	SA	VP-DC165WI
P179	AD97-10862A	ASSY-UNIT HINGE;ASSY,RAINBOW1(33X),	1	SA	
W118	6003-001291	SCREW-TAPTITE;CH,+,B,M1.4,L3.0,ZPC(	2	SA	
W124	6001-001526	SCREW-MACHINE;CH(0.3),+,M1.7,L3.0,N	2	SA	

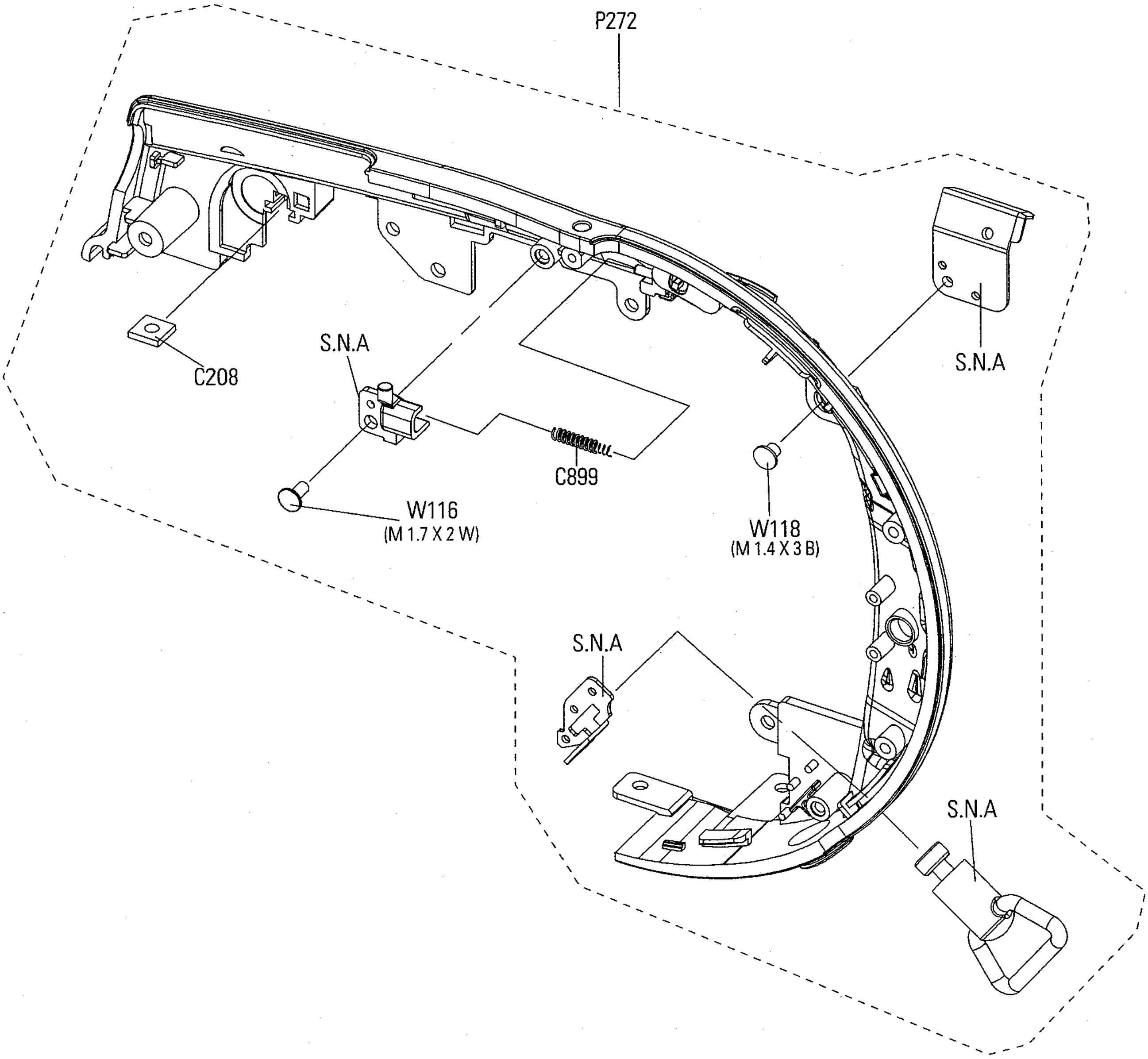
5-10 Ass'y Front



S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C213	AD61-02420A	BRACKET-FRONT;RAINBOW1(33X),SUS,T0.	2	SA	
C339	AD97-10997A	ASSY-MIC;ASSY,RAINBOW1(33X),-	1	SA	
P005	AD92-00030A	ASSY PCB-FRONT BOARD;SC-DC164,FRONT	1	SA	VP-DC161
	AD92-00030A	ASSY PCB-FRONT BOARD;SC-DC164,FRONT	1	SA	VP-DC163
	AD92-00030A	ASSY PCB-FRONT BOARD;SC-DC164,FRONT	1	SA	VP-DC163I
	AD92-00030A	ASSY PCB-FRONT BOARD;SC-DC164,FRONT	1	SA	VP-DC161W
	AD92-00030A	ASSY PCB-FRONT BOARD;SC-DC164,FRONT	1	SA	VP-DC161WI
	AD92-00031A	ASSY PCB-FRONT BOARD;SC-DC165,FRONT	1	SA	VP-DC165W
	AD92-00031A	ASSY PCB-FRONT BOARD;SC-DC165,FRONT	1	SA	VP-DC165WI
P121	AD97-10856B	ASSY-CASE FRONT;ASSY,RAINBOW1(33X),	1	SA	VP-DC161
	AD97-10856B	ASSY-CASE FRONT;ASSY,RAINBOW1(33X),	1	SA	VP-DC163
	AD97-10856B	ASSY-CASE FRONT;ASSY,RAINBOW1(33X),	1	SA	VP-DC163I
	AD97-10856B	ASSY-CASE FRONT;ASSY,RAINBOW1(33X),	1	SA	VP-DC161W
	AD97-10856B	ASSY-CASE FRONT;ASSY,RAINBOW1(33X),	1	SA	VP-DC161WI
	AD97-10856C	ASSY-CASE FRONT;ASSY,RAINBOW1(33X),	1	SA	VP-DC165W
	AD97-10856C	ASSY-CASE FRONT;ASSY,RAINBOW1(33X),	1	SA	VP-DC165WI
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	3	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	3	SA	

5-11 Ass'y Inner Right


P272
S.N.A
C208
S.N.A
C899
W116
(M 1.7 X 2 W)
W118
(M 1.4 X 3 B)
S.N.A
S.N.A

S.N.A : Service Not Available

Loc. No	Parts No.	Description ; Specification	Q'ty	S.N.A	Remark
C208	AD61-12033A	BRACKET-NUT;SV-D10,SECC,-,-,-,-,T0.	1	SA	
C899	AD61-02449A	SPRING ETC-ACCESS;RAINBOW1(33X),SUS	1	SA	
P272	AD97-10851A	ASSY-INNER RIGHT;ASSY,RAINBOW1(33X)	1	SA	
W116	6001-001527	SCREW-MACHINE;CH(0.3),+,M1.7,L2.0,N	1	SA	
W118	6003-001291	SCREW-TAPTITE;CH,+,B,M1.4,L3.0,ZPC(	1	SA	

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6. Electrical Parts List

6-1 VP-DC161(W)(I) Parts List

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
P001	**AD92-00036N**	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161/SEO**
	AD92-00036A	**ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA**	**1**	**SA**	**VP-DC161/XEO**
	AD92-00036A	**ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA**	**1**	**SA**	**VP-DC161/XET**
	AD92-00036A	**ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA**	**1**	**SA**	**VP-DC161/XEU**
	AD92-00036P	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161W/SEO**
	AD92-00036G	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161W/XEE**
	AD92-00036G	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161W/XEF**
	AD92-00036G	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161W/XEG**
	AD92-00036G	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161W/XET**
	AD92-00036G	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161W/XEU**
	AD92-00036H	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC161WI/XEV**
	AD92-00036A	**ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA**	**1**	**SA**	**VP-DC161/XEE**
	AD92-00036A	**ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA**	**1**	**SA**	**VP-DC161/XEF**
	AD92-00036A	**ASSY PCB-MAIN BOARD;VP-DC161/XEG,RA**	**1**	**SA**	**VP-DC161/XEG**
BD101	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD102	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD103	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD104	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD105	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BM05	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
BM07	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM08	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM09	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM10	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
C101	2404-001269	C-TA,CHIP;10uF,20%,20V,-,TP,3528	1	SA	
C104	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C105	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,1005	1	SA	
C106	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C107	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C108	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C109	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,100	1	SA	
C110	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C111	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,1005	1	SA	
C112	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C113	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C114	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C115	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C116	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C117	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C118	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C119	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C120	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C121	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C123	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C124	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C125	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
C127	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C133	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C134	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C135	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C136	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
C137	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C139	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C140	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C141	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C142	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C143	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C145	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C146	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C147	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C149	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C150	2203-005921	C-CER,CHIP;10000NF,20%,4V,X5R,TP,20	1	SA	
C151	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C153	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C154	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C155	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C156	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C158	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C159	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C160	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C161	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C163	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C164	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C165	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C171	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C172	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C174	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C175	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C177	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C180	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
C181	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216	1	SA	
C182	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216	1	SA	
C184	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C185	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C190	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C191	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C192	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C196	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C201	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC161WI/XEV
C202	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC161WI/XEV
C221	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C222	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C223	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C224	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C225	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C226	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C227	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C228	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C229	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C230	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C231	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C232	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C233	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C234	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C235	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC161WI/XEV
C236	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C237	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C238	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC161WI/XEV
C239	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C240	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC161WI/XEV
C241	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C242	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C250	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
C252	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
C254	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
C301	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C302	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C303	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C304	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C305	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C308	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C309	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C311	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C312	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
C313	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C314	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C315	2404-001257	C-TA,CHIP;1UF,20%,16V,-,TP,2012	1	SA	
C316	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C317	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C318	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C321	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C322	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C323	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C324	2404-001257	C-TA,CHIP;1UF,20%,16V,-,TP,2012	1	SA	
C325	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C326	2404-001244	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,2012	1	SA	
C327	2203-005887	C-CER,CHIP;680NF,+80-20%,10V,Y5V,TP	1	SA	
C328	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C329	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C330	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C331	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C332	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C333	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C334	2404-001285	C-TA,CHIP;4.7UF,20%,10V,WT,TP,2012	1	SA	
C335	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C336	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C401	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C402	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C403	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C404	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C405	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C406	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C407	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C408	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C413	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C414	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C415	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C416	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C417	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C418	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C419	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C420	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C421	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C422	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C423	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C424	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C425	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C426	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C427	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C428	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C429	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C430	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C431	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C432	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C433	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C438	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C439	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C440	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C441	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C501	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C502	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C503	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C515	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C519	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C521	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C522	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C524	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C525	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C526	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C527	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C529	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C532	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C533	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C534	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C535	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C537	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C538	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C539	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C540	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C541	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C542	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C543	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C544	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C545	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C546	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C548	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C549	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C550	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C551	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C553	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C554	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C555	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C556	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C559	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C561	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C565	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C567	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C570	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C571	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C572	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C601	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C602	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C603	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C605	2203-005993	C-CER,CHIP;68NF,10%,16V,X7R,TP,1005	1	SA	
C606	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C607	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C608	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C609	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C610	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C611	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C612	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C613	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C614	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C615	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C616	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C617	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C618	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C619	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C620	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C621	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C622	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C623	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C624	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C625	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C626	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C627	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C628	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C629	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C630	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C631	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C632	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C633	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C705	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C707	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	
C708	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
C709	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C710	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C712	2203-005061	C-CER,CHIP;100nF,+80-20%,16V,Y5V,10	1	SA	
C713	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C714	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
C715	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	
C716	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
C720	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C721	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C722	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C723	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C724	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C725	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C726	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C898	AD69-00814A	PAD-HEAT MAIN;RAINBOW1,PAD,T1,W13,L	1	SNA	
CA17	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
CA31	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA33	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA34	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA35	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA37	2203-005061	C-CER,CHIP;100nF,+80-20%,16V,Y5V,10	1	SA	
CM01	2203-001221	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,10	1	SA	
CM02	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CM03	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
CM04	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
CM06	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM07	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CM103	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM11	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM12	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM14	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CM15	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM16	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM17	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM18	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM19	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM20	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM201	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM202	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM203	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM204	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM21	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM24	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM27	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM28	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM29	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM30	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM31	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM32	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM34	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM35	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CM42	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM43	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM49	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM53	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM54	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM61	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM62	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CN101	3710-001498	SOCKET-BOARD TO BOARD;50P,2R,0.5mm,	1	SA	
CN301	3708-001111	CONNECTOR-FPC/FFC/PIC;14P,0.5mm,SMD	1	SA	
CN405	3710-001498	SOCKET-BOARD TO BOARD;50P,2R,0.5mm,	1	SA	
CN601	3708-001711	CONNECTOR-FPC/FFC/PIC;51P,0.3mm,SMD	1	SA	
CN704	3711-005479	HEADER-BOARD TO BOARD;BOX,22P,2R,0.	1	SA	
CN705	3708-000382	CONNECTOR-FPC/FFC/PIC;16P,0.5MM,SMD	1	SA	
CN706	3708-001842	CONNECTOR-FPC/FFC/PIC;7P,0.5MM,SMD-	1	SA	
CNDR1	3710-002334	SOCKET-BOARD TO BOARD;40P,2R,0.5mm,	1	SA	
CP01	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
CP02	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528	1	SA	
CP03	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP04	2404-001160	C-TA,CHIP;3.3uF,20%,35V,GP,TP,3528	1	SA	
CP06	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CP07	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP09	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
CP11	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
CP12	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP13	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP14	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP15	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP16	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP17	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP18	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA	
CP19	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP20	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP21	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP22	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP23	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CP24	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CP26	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP27	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP28	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP29	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP30	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CP301	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CP302	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP303	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CP304	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
CP306	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
CP307	2203-001432	C-CER,CHIP;47nF,+80-20%,16V,Y5V,100	1	SA	
CP41	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP42	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,100	1	SA	
CP48	2203-006047	C-CER,CHIP;33NF,10%,16V,X7R,TP,1005	1	SA	
CP50	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
D101	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D201	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D202	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D203	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
DP01	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
F101	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
F102	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
F104	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
FL612	3809-001777	FFC CABLE-FLAT;30V,80,60mm,14P,0.5m	1	SA	
IC101	1203-003567	IC-PWM CONTROLLER;BD9833KV,VQFP,48P	1	SA	
IC202	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC161WI/XEV
IC203	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC161WI/XEV
IC204	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC161WI/XEV
IC301	1205-002715	IC-CODEC;BU7807-01KV,VQFP,48P,7x7mm	1	SA	
IC401	1204-002516	IC-ENCODER;MS2199-CAZ,TAPP,252P,13x	1	SA	
IC402	1105-001336	IC-DRAM;-,-,-,4x512Kx32Bit,TSOP,86P	1	SA	
IC501	1204-002517	IC-DECODER;MS8202-CAZ,TAPP,252P,13x	1	SA	
IC502	1105-001542	IC-DRAM;K4M563233D-EE80T00,-,-,4x2M	1	SA	
IC503	1107-001603	IC-FLASH MEMORY;S29JL032H,32Mbit,4M	1	SNA	
IC504	1103-001218	IC-EEPROM;524AB0X91,4Kx8,SOP,8P,5.1	1	SA	
IC601	1003-001806	IC-LCD DRIVER;S5D4100X,FBGA,88P,7x7	1	SA	
IC602	1003-001874	IC-LCD DRIVER;KCD-A200-0A,LQFP,48P,	1	SA	
IC604	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	VP-DC161W/SEO
	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	VP-DC161W/XEE
	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	VP-DC161W/XEF
	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	VP-DC161W/XEG
	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	VP-DC161W/XET
	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	VP-DC161W/XEU
	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	VP-DC161WI/XEV
IC701	AD09-00280A	IC MICOM;TMP91FY42A,RAINBOW1,100,3.	1	SA	
IC703	1203-002807	IC-POSI.FIXED REG.;XC6413FY01MR,SOT	1	SA	
ICA02	1105-001605	IC-DRAM;K4S283233F,4x1Mx32Bit,FBGA,	1	SA	
ICA03	1107-001365	IC-FLASH MEMORY;29LV160BE,1Mx16/2Mx	1	SNA	
ICM01	AD13-00039A	IC ASIC-DSP;S5C7377,DRAGON2-PJ,337,	1	SNA	
ICM02	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	
ICM03	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	
ICM04	1103-001218	IC-EEPROM;524AB0X91,4Kx8,SOP,8P,5.1	1	SA	
ICP01	1003-001065	IC-CLOCK DRIVER;KS7221D,SOP,20P,225	1	SA	
ICP02	1002-001449	IC-A/D CONVERTER;VSP2582RHN,12,QFP,	1	SA	
ICP03	1003-001919	IC-MOTOR DRIVER;uPD168103AK,WQFN,48	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
ICP04	1201-002101	IC-OP AMP;KIA358AFK,US,TP,8P,2x2.3m	1	SA	
ICP05	1201-002101	IC-OP AMP;KIA358AFK,US,TP,8P,2x2.3m	1	SA	
L104	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L106	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L108	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L110	2703-001872	INDUCTOR-SMD;22uH,20%,6060	1	SA	
L112	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L113	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L114	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L117	2703-001872	INDUCTOR-SMD;22uH,20%,6060	1	SA	
L119	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L121	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L122	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L123	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L125	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
L126	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L128	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L129	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L130	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L133	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L135	2703-000397	INDUCTOR-SMD;33uH,10%,2520	1	SA	
L136	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L137	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L138	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L139	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L203	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L204	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC161WI/XEV
L301	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L302	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
L303	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L304	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L402	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L405	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L505	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L507	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L511	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L601	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L602	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L603	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L701	2703-002174	INDUCTOR-SMD;10uH,10%,2520	1	SA	
L702	2703-000371	INDUCTOR-SMD;4.7uH,5%,2520	1	SA	
L703	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
L704	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
L705	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
LP01	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
LP02	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
LP03	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
LP04	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
LP05	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
Q101	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q102	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q103	0505-001646	FET/SBD;MCH5803,N,30V,1.4A,370MOHM,	1	SA	
Q104	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q105	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q106	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q107	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q108	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q109	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q110	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q111	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q112	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q113	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q115	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q119	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q120	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q130	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q131	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q132	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
Q135	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q136	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q137	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q301	0504-001101	TR-DIGITAL;EMD2,NPN/PNP,150MW,22K/2	1	SA	
Q302	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
Q303	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
Q702	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q703	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q704	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q705	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q706	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q707	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q710	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q711	0502-001266	TR-POWER;KTA1532T,PNP,900mW,TSM,TP,	1	SA	
Q712	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q713	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
QP01	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
QP05	0504-001025	TR-DIGITAL;DTC143EE,NPN,150MW,4.7K,	1	SA	
R101	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R102	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	1	SA	
R103	2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
R105	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R106	2007-007946	R-CHIP;470Kohm,1%,1/16W,TP,1005	1	SA	
R107	2007-007946	R-CHIP;470Kohm,1%,1/16W,TP,1005	1	SA	
R108	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SA	
R109	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R1100	2007-007470	R-CHIP;7.5Kohm,1%,1/16W,DA,TP,1005	1	SA	
R116	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R117	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R118	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R119	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R120	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R121	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R122	2007-008391	R-CHIP;6.34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R123	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R124	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	SA	
R125	2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	1	SA	
R126	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R127	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R128	2007-008037	R-CHIP;57.6Kohm,1%,1/16W,DA,TP,1005	1	SA	
R129	2007-008391	R-CHIP;6.34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R130	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	SA	
R131	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R132	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R133	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R134	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R135	2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SA	
R140	2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
R141	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R146	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R147	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R148	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SA	
R149	2007-008417	R-CHIP;34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R150	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R151	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R152	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R153	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R154	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R155	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
R156	2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
R157	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R160	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R161	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R173	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R174	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R175	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R176	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R177	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R178	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R179	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R180	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R183	2007-000161	R-CHIP;82KOHM,5%,1/16W,TP,1005	1	SA	
R190	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R199	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R201	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC161WI/XEV
R209	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC161WI/XEV
R210	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC161WI/XEV
R211	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC161WI/XEV
R217	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC161WI/XEV
R219	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161WI/XEV
R250	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R254	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R258	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R262	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC161WI/XEV
R263	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R264	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R265	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R266	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R301	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R302	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R303	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R304	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R305	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R306	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R311	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R312	2007-000831	R-CHIP;39Kohm,5%,1/16W,TP,1005	1	SA	
R315	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R316	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R317	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R318	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R319	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R320	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R321	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R322	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R324	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R325	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R326	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R328	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R329	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R330	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R331	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R333	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R334	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R335	2007-000566	R-CHIP;220Kohm,5%,1/16W,TP,1005	1	SA	
R336	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R337	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R338	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R339	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R340	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R341	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R342	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R343	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R401	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R402	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R403	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R404	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R405	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R406	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R407	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R408	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R409	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R410	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R411	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R412	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R413	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R414	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R415	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R416	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R417	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R418	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R419	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R420	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R421	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R422	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R425	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R429	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R430	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R433	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R434	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R435	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R436	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R437	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R480	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R481	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R511	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R512	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R513	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R516	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R517	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R518	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R519	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R520	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R521	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R522	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R523	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R524	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R526	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R527	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R528	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R529	2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	1	SA	
R530	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R531	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R532	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R533	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R534	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R535	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R536	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R537	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R538	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R539	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R540	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R541	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R543	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R544	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R545	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R546	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R547	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R548	2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	1	SA	
R549	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R550	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R551	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R552	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R554	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R555	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R556	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R559	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R562	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R571	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R572	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R573	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R574	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R576	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R580	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R581	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R582	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R603	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R604	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R605	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R606	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R607	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R608	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R609	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R610	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R611	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R612	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R613	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R614	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R615	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R616	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R617	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R618	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R619	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R620	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R621	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R622	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R623	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R624	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R625	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R626	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R627	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R628	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R629	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R630	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R631	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R632	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R633	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R6390	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R701	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R702	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R703	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R704	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R705	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R706	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R707	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7104	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7105	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R711	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7116	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R712	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7139	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7140	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7151	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7157	2007-000160	R-CHIP;68Kohm,5%,1/16W,TP,1005	1	SA	
R717	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R718	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7180	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
R7181	2007-007001	R-CHIP;3.9KOHM,5%,1/16W,TP,1005	1	SA	
R7182	2007-001319	R-CHIP;1.2KOHM,5%,1/16W,TP,1005	1	SA	
R7183	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R7184	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7185	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7187	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R719	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R720	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7200	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R731	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R732	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R733	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R734	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R735	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R736	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R738	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R739	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R740	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R741	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R743	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R750	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7507	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7510	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7519	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R752	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7530	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7534	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R754	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R755	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R756	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R757	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7594	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7603	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7657	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7668	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7696	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7697	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7700	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7701	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7702	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7703	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7704	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7707	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7708	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R7709	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R7710	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R780	2007-000142	R-CHIP;2.7KOHM,5%,1/16W,TP,1005	1	SA	
R781	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R782	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R783	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R784	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R785	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R786	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R787	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R789	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R790	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R791	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RA50	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RA51	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RA52	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RA53	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RA561	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA579	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA581	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA589	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA96	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA97	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA98	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RBD01	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RBD02	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM01	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	1	SA	
RM02	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM03	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM04	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM06	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM09	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM10	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RM100	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM101	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM11	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RM12	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM120	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM121	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
RM126	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM127	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM128	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM129	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM21	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM22	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM25	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM27	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM288	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM29	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
RM30	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
RM301	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM303	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM304	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM32	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM33	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM35	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	1	SA	
RM52	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM53	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM530	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
RM55	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM56	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM57	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM59	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM60	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM61	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM62	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM63	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM64	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM66	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM67	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM68	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM69	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM70	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM90	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP01	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA	
RP05	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP06	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP07	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP08	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
RP10	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP11	2007-000164	R-CHIP;150KOHM,5%,1/16W,TP,1005	1	SA	
RP12	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RP153	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP202	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP301	2007-007001	R-CHIP;3.9KOHM,5%,1/16W,TP,1005	1	SA	
RP302	2007-001313	R-CHIP;330ohm,5%,1/16W,TP,1005	1	SA	
RP304	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP305	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP306	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP307	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RP308	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
RP309	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP310	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
RP311	2007-000142	R-CHIP;2.7KOHM,5%,1/16W,TP,1005	1	SA	
RP312	2007-000636	R-CHIP;270KOHM,5%,1/16W,TP,1005	1	SA	
RP313	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP314	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP316	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	1	SA	
RP317	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RP318	2007-000775	R-CHIP;33KOHM,5%,1/16W,TP,1005	1	SA	
RP39	2007-001307	R-CHIP;180ohm,5%,1/16W,TP,1005	1	SA	
RP40	2007-001307	R-CHIP;180ohm,5%,1/16W,TP,1005	1	SA	
RP41	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SA	
RP42	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SA	
RP50	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP504	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP51	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
RP52	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP53	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP601	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
RP602	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
RP80	2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
RPB54	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RX01	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
W223	6001-001659	SCREW-MACHINE;CH,+,M1.7,L2.5,NI PLT	2	SA	
X201	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC161WI/XEV
X701	2801-004479	CRYSTAL-SMD;16.0MHz,10ppm,SX-6,18pF	1	SA	
X702	2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-AC	1	SA	
XM01	2804-001309	OSCILLATOR-CLOCK;54MHZ,20PPM,10TTL	1	SA	
	AD99-90119L	ASSY PCB-MAIN BOARD,m;VP-DC161/XEG,	1	SNA	
P003	**AD92-00040A**	**ASSY PCB-LEFT BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	
CLF01	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF02	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF03	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF04	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF05	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF20	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CLM01	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CNLF01	3708-001711	CONNECTOR-FPC/FFC/PIC;51P,0.3mm,SMD	1	SA	
CNLF04	3711-000541	HEADER-BOARD TO CABLE;BOX,2P,1R,1.2	1	SA	
CNLF05	3708-001022	CONNECTOR-FPC/FFC/PIC;18P,0.5MM,SMD	1	SA	
CNLF06	3708-001603	CONNECTOR-FPC/FFC/PIC;24P,0.5MM,SMD	1	SA	
LLED01	0601-001006	LED;SMD,Y-GRN,1.3X2.9MM,570NM,2.4X	1	SA	
LLF12	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
RLF02	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RLF03	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RLF04	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RLF05	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RLF06	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RLF07	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RLF08	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RLF09	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RLF23	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLF24	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLF25	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
SWLF01	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF02	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF03	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF04	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF05	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF06	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF07	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF08	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF09	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF10	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF11	3403-001154	SWITCH-PUSH;5V DC,1 mA,4,NON-LOCK,-	1	SA	
SWLF12	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
P004	**AD92-00038A**	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	**VP-DC161/SEO**
	AD92-00038A	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	**VP-DC161/XEO**
	AD92-00038A	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	**VP-DC161/XET**
	AD92-00038A	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	**VP-DC161/XEU**
	AD92-00039A	**ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.**	**1**	**SA**	**VP-DC161W/SEO**
	AD92-00039A	**ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.**	**1**	**SA**	**VP-DC161W/XEE**
	AD92-00039A	**ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.**	**1**	**SA**	**VP-DC161W/XEF**
	AD92-00039A	**ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.**	**1**	**SA**	**VP-DC161W/XEG**
	AD92-00039A	**ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.**	**1**	**SA**	**VP-DC161W/XET**
	AD92-00039A	**ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.**	**1**	**SA**	**VP-DC161W/XEU**
	AD92-00039A	**ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.**	**1**	**SA**	**VP-DC161WI/XEV**
	AD92-00038A	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	**VP-DC161/XEE**
	AD92-00038A	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	**VP-DC161/XEF**

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	AD92-00038A	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	**VP-DC161/XEG**
BL01	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/SEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XET
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEU
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEE
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEF
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEG
BL02	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/SEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XET
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEU
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEE
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEF
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEG
BL03	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/SEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XET
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEU
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEE
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEF
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEG
BL04	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/SEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XET
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEU
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEE
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEF
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEG
BL05	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/SEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEO
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XET
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEU
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEE
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEF
	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	VP-DC161/XEG
CL01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161/SEO
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161/XEO
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161/XET
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161/XEU
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161W/SEO
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161W/XEE
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161W/XEF
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161W/XEG
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161W/XET
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161W/XEU
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161WI/XEV
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161/XEE
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161/XEF
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161/XEG
CL02	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/SEO
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEE
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEF
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEG
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XET
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEU
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161WI/XEV
CL03	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/SEO
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEE
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEF
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEG
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XET
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEU
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL04	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/SEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XET
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEU
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/SEO
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEE
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEF
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEG
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XET
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161W/XEU
	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	VP-DC161WI/XEV
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEE
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEF
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEG
CL05	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/SEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XET
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEU
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/SEO
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEE
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEF
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEG
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XET
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161W/XEU
	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	VP-DC161WI/XEV
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEE
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEF
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEG
CL06	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161W/SEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161W/XEE
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161W/XEF
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161W/XEG
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161W/XET
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161W/XEU
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL07	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/SEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XET
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEE
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEF
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEG
CL08	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/SEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XET
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEE
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEF
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEG
CL09	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL10	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL11	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL12	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL13	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL14	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL15	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL16	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/SEO
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEE
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEF
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEG
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XET
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161W/XEU
	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	VP-DC161WI/XEV
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL17	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/SEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XET
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEU
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEE
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEF
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEG
CL18	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/SEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEO
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XET
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEU
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEE
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEF
	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,2	1	SA	VP-DC161/XEG
CL19	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CL20	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161/SEO
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161/XEO
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161/XET
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161/XEU
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161/XEE
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161/XEF
	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	VP-DC161/XEG
CL21	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/SEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEO
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XET
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEU
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEE
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEF
	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	VP-DC161/XEG
CNL01	3708-001405	CONNECTOR-FPC/FFC/PIC;24P,0.5MM,SMD	1	SA	
CNL02	3708-002188	CONNECTOR-FPC/FFC/PIC;40,0.5mm,SMD-	1	SA	
CNL03	3708-001148	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
LL01	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/SEO
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEE
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEF
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEG
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XET
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEU
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161WI/XEV
LL02	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/SEO
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEE
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEF
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEG
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XET
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161W/XEU
	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	VP-DC161WI/XEV
R633	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161/SEO
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161/XEO
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161/XET
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161/XEU
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161/XEE
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161/XEF
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC161/XEG
RL01	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	VP-DC161/SEO
	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	VP-DC161/XEO
	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	VP-DC161/XET
	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	VP-DC161/XEU
	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	VP-DC161W/SEO
	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	VP-DC161W/XEE
	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	VP-DC161W/XEF
	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	VP-DC161W/XEG
	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	VP-DC161W/XET
	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	VP-DC161W/XEU
	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	VP-DC161WI/XEV
	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	VP-DC161/XEE
	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	VP-DC161/XEF
	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	VP-DC161/XEG
RL02	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	VP-DC161/SEO
	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	VP-DC161/XEO
	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	VP-DC161/XET
	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	VP-DC161/XEU
	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	VP-DC161/XEE
	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	VP-DC161/XEF
	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	VP-DC161XEG
RL03	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	VP-DC161/SEO
	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEO
	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XET
	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEU
	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEE
	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEF
	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEG
RL04	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/SEO
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEO
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XET
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEU
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEE
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEF
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEG
RL05	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/SEO
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEO
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XET
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEU
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEE
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEF
	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	VP-DC161/XEG
P009	**AD92-00041A**	**ASSY PCB-REAR BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	
BACKUP	AD63-00075A	TERMINAL—LI BATT(-);M1-PJ,C5210R-H	1	SA	
BACKUP	AD65-00025A	TERMINAL-LITHUM PLATE +;THETA2-PJ,B	1	SA	
BTR1	AD65-00023A	TERMINAL-PLATE +;THETA2-PJ,BE-CU,-,	1	SA	
BTR2	AD65-00023A	TERMINAL-PLATE +;THETA2-PJ,BE-CU,-,	1	SA	
C208	AD61-12033A	BRACKET-NUT;SV-D10,SECC,-,-,-,-,T0.	1	SA	
CNR01	3711-004283	CONNECTOR-HEADER;BOX,50P,2R,0.5MM,S	1	SA	
CNR02	3710-001478	SOCKET-BOARD TO BOARD;18P,2R,1MM,SM	1	SA	
CR01	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CR02	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CR03	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CR10	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
DR01	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523	1	SA	
DR02	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523	1	SA	
FER01	0505-001726	FET-SILICON;ECH8603,P,-20V,-4A,37MO	1	SA	
ICR01	1201-001376	IC-OP AMP;75W01,SSOP,8P,110MIL,DUAL	1	SA	
ICR02	0909-001013	IC-REAL TIME CLOCK;5C372,SOP,8P,-,3	1	SA	
JR01	AD97-08500A	ASSY-DC JACK;TC18-431-01,DELTA2-PJ,	1	SA	
MULR01	3722-002262	JACK-PIN;8P,AUF,BLK,ANGLE	1	SA	
QR01	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
QR02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K	1	SA	
QR03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K	1	SA	
QR04	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,P	1	SA	
QR05	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,P	1	SA	
RR01	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR02	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
RR03	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	SA	
RR04	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA	
RR05	2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	SA	
RR10	2007-000923	R-CHIP;470Kohm,1%,1/10W,TP,1608	1	SA	
RR11	2007-000563	R-CHIP;220Kohm,1%,1/10W,TP,1608	1	SA	
RR12	2007-001198	R-CHIP;820ohm,1%,1/8W,TP,2012	1	SA	
RR13	2007-001198	R-CHIP;820ohm,1%,1/8W,TP,2012	1	SA	
RR14	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR15	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR16	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR17	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR18	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR19	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA	
SWR01	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWR02	3404-001171	SWITCH-TACT;12V DC,50MA,200GF,6.6X6	1	SA	
XR01	2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-AC	1	SA	
P004A	**AD97-10599A**	**ASSY PCB-FUNCTION BOARD;RAINBOW-PJ,**	**1**	**SA**	
CF01	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CNF01	3708-001147	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
RF01	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RF02	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RF03	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RF04	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RF05	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
SWF01	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWF02	3404-001268	SWITCH-TACT;12V,50MA,130GF,7.5X7.5X	1	SA	
P005	**AD92-00030A**	**ASSY PCB-FRONT BOARD;SC-DC164,FRONT**	**1**	**SA**	
CFR01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CNFR01	3708-001075	CONNECTOR-FPC/FFC/PIC;14P,0.5MM,SMD	1	SA	
CNFR02	3711-005090	HEADER-BOARD TO CABLE;BOX,4P,1R,1MM	1	SA	
RFR02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
RFR03	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RFR04	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
P002	**AD97-10720A**	**ASSY PCB-CCD BOARD;RAINBOW-PJ,PAL,C**	**1**	**SNA**	
CC02	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC03	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC04	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA	
CC05	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CNC01	3711-006038	HEADER-BOARD TO BOARD;BOX,40P,2R,0.	1	SA	
CNC02	3708-001671	CONNECTOR-FPC/FFC/PIC;23P,0.3MM,SMD	1	SA	
DC01	0401-001054	DIODE-SWITCHING;KDS160,80V,100MA,SO	1	SA	
QC01	0505-000180	FET-SILICON;2SK1070,N,-,50mA,-,150m	1	SA	
RC01	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
RC02	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA	
RC03	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
L052	**AD97-10942A**	**ASSY PCB-CVF BOARD;NT/PAL,RAINBOW2-**	**1**	**SNA**	
CC01	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216	1	SA	
CC02	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC03	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC04	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC05	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC06	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC07	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC08	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC09	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216	1	SA	
CC10	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC11	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216	1	SA	
CC12	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CNC01	3708-001914	CONNECTOR-FPC/FFC/PIC;15P,0.5mm,SMD	1	SA	
CNC02	3708-002168	CONNECTOR-FPC/FFC/PIC;15P,0.5MM,SMD	1	SA	
LEDC01	AD07-00023A	B/L LED WHT;-,-,-,3*2*1.2,1.2,-,-,5	1	SA	
RC01	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RC02	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	
C10	2203-000455	C-CER,CHIP;1nF,5%,50V,C0G,2012	1	SA	
C11	2301-001092	C-FILM,LEAD-PEF;100nF,20%,275V,BK,1	1	SA	
C12	2401-003302	C-AL;47uF,20%,400V,GP,TP,18X31.5,7.	1	SA	
C13	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	1	SA	
C14	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C15	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C16	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C30	2201-000828	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,T	1	SA	
C50	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	1	SA	
C51	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	1	SA	
C55	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	1	SA	
C57	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C58	2203-000192	C-CER,CHIP;100nF,+80-20%,50V,Y5V,TP	1	SA	
C59	2203-000938	C-CER,CHIP;0.47nF,5%,50V,C0G,2012	1	SA	
C61	2203-000192	C-CER,CHIP;100nF,+80-20%,50V,Y5V,TP	1	SA	
C62	2401-000438	C-AL;10uF,20%,25V,GP,-,5x11,5	1	SA	
C63	2203-000455	C-CER,CHIP;1nF,5%,50V,C0G,2012	1	SA	
D10	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D11	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D12	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D13	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D52	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3	1	SA	
D53	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
D54	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
D55	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
F10	3601-000207	FUSE-CARTRIDGE;250V,1A,TIME-LAG,GLA	1	SA	
IC51	AC14-12001K	IC;KA324,-,-	1	SA	
J50	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
J53	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
LF10	AC27-32001F	COIL-LINE FILTER;BSF-2123,20MH,2OHM	1	SC	
PC10	0604-000119	PHOTO-COUPLER;TR,200-400%,200mW,DIL	1	SA	
Q52	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350mW	1	SA	
R00	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	1	SC	
R10	2007-000481	R-CHIP;1Mohm,5%,1/4W,TP,3216	1	SA	
R11	2007-000481	R-CHIP;1Mohm,5%,1/4W,TP,3216	1	SA	
R13	2003-000771	R-METAL OXIDE(S);68Kohm,5%,2W,AA,TP	1	SA	
R14	2007-000598	R-CHIP;22ohm,5%,1/4W,TP,3216	1	SA	
R15	2007-000768	R-CHIP;330ohm,5%,1/4W,TP,3216	1	SA	
R16	2007-000768	R-CHIP;330ohm,5%,1/4W,TP,3216	1	SA	
R17	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R18	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R19	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R20	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R21	2001-000374	R-CARBON;15OHM,5%,1/4W,AA,TP,2.4X6.	1	SA	
R30	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X	1	SA	
R30	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,-	1	SA	
R30A	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,-	1	SA	
R50	2007-000472	R-CHIP;1Kohm,5%,1/4W,TP,3216	1	SA	
R51	2007-000472	R-CHIP;1Kohm,5%,1/4W,TP,3216	1	SA	
R53	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R54	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R55	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
R57	2007-000938	R-CHIP;47Kohm,1%,1/8W,TP,2012	1	SA	
R58	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R59	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R60	2007-000771	R-CHIP;33Kohm,1%,1/8W,TP,2012	1	SA	
R61	2007-000395	R-CHIP;150Kohm,5%,1/8W,TP,2012	1	SA	
R62	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	1	SA	
R63	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	1	SA	
R64	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R65	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R66	2007-000406	R-CHIP;15Kohm,1%,1/8W,TP,2012	1	SA	
R68	2007-000572	R-CHIP;220ohm,5%,1/8W,TP,2012	1	SA	
R70	2007-000546	R-CHIP;20Kohm,5%,1/8W,TP,2012	1	SA	
R71	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	1	SA	
R72	2007-000582	R-CHIP;22Kohm,1%,1/8W,TP,2012	1	SA	
R74	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R76	2005-000102	R-WIRE WOUND;0.1ohm,1%,1W,AA,TP,4.5	1	SA	
R77	2007-000068	R-CHIP;470Kohm,5%,1/8W,TP,2012	1	SA	
R79	2007-001067	R-CHIP;6.8Kohm,1%,1/8W,TP,2012	1	SA	
R80	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	1	SC	
VR50	2101-001049	VR-ROTARY;500ohm,0%,-,-	1	SA	
	AD68-00993K	MANUAL USERS;VP-DC163,XEV,RUS/UKR,-	1	SA	VP-DC161/SEO
	AD69-00808P	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161/SEO
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161/SEO
	AD68-00993U	MANUAL USERS;VP-DC163,XEE,SWE/NOR/F	1	SA	VP-DC161/XEE
	AD68-00993J	MANUAL USERS;VP-DC163,XEU,ENG,-,MOJ	1	SA	VP-DC161/XEE
	AD69-00808P	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161/XEE
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161/XEE
	AD68-00993R	MANUAL USERS;VP-DC163,XEF,ENG/GER/F	1	SA	VP-DC161/XEF
	AD69-00808P	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161/XEF

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161/XEF
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC161/XEG
	AD69-00808P	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161/XEG
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161/XEG
	AD68-00993P	MANUAL USERS;VP-DC163,XEH,ENG/CZE/P	1	SA	VP-DC161/XEO
	AD69-00808P	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161/XEO
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161/XEO
	AD68-00993L	MANUAL USERS;VP-DC163,XEC,ENG/ESP/I	1	SA	VP-DC161/XET
	AD69-00808P	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161/XET
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161/XET
	AD68-00993J	MANUAL USERS;VP-DC163,XEU,ENG,-,MOJ	1	SA	VP-DC161/XEU
	AD69-00808P	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161/XEU
	AD39-00078A	POWER CORD;AA-E6A,MP5004A,MP5004A,2	1	SA	VP-DC161/XEU
	AD68-00993K	MANUAL USERS;VP-DC163,XEV,RUS/UKR,-	1	SA	VP-DC161W/SEO
	AD69-00808Q	PACKING CASE;Rainbow-PJ,SC240,E?,T1	1	SA	VP-DC161W/SEO
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161W/SEO
	AD68-00993U	MANUAL USERS;VP-DC163,XEE,SWE/NOR/F	1	SA	VP-DC161W/XEE
	AD68-00993J	MANUAL USERS;VP-DC163,XEU,ENG,-,MOJ	1	SA	VP-DC161W/XEE
	AD69-00808J	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	VP-DC161W/XEE
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161W/XEE
	AD68-00993R	MANUAL USERS;VP-DC163,XEF,ENG/GER/F	1	SA	VP-DC161W/XEF
	AD69-00808J	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	VP-DC161W/XEF
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161W/XEF
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC161W/XEG
	AD69-00808J	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	VP-DC161W/XEG
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161W/XEG
	AD68-00993L	MANUAL USERS;VP-DC163,XEC,ENG/ESP/I	1	SA	VP-DC161W/XET
	AD69-00808J	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	VP-DC161W/XET
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161W/XET
	AD68-00993J	MANUAL USERS;VP-DC163,XEU,ENG,-,MOJ	1	SA	VP-DC161W/XEU
	AD69-00808J	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	VP-DC161W/XEU
	AD39-00078A	POWER CORD;AA-E6A,MP5004A,MP5004A,2	1	SA	VP-DC161W/XEU
	AD69-00797A	BAG CARRYING-CASE;DRAGON2-PJ,LEATHE	1	SA	VP-DC161WI/XEV
	AD68-00993K	MANUAL USERS;VP-DC163,XEV,RUS/UKR,-	1	SA	VP-DC161WI/XEV
	AD69-00808J	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	VP-DC161WI/XEV
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC161WI/XEV
	AD39-00119A	CBF CABLE-MULTI CABLE;A9108642,VP-D	1	SA	
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	
	AD61-02392A	HOLDER-DIRECTION;RAINBOW1(33X),PC+A	1	SA	
	AD64-01483A	KNOB-DIRECTION;RAINBOW1(33X),PC+ABS	1	SA	
	AD69-00807A	CUSHION-DIRECTION;RAINBOW1,EPS,T5,W	1	SA	
	AD72-00049A	BAND-STRING HOOD;DELTA-PJ,NYLON,1,2	1	SA	
1	AD43-10130H	BATTERY-LITHUM;LI-ION,CR2025,LITHIU	1	SA	
2					
	AD43-10130H	BATTERY-LITHUM;LI-ION,CR2025,LITHIU	1	SA	
112	MD63-00072A	GASKET;DTB-9405F,-,4mm,7mm,10mm?0.5	1	SA	
112	AD63-00965A	GASKET-HOUSING;RAINBOW1,-,T2.1,W5,L	1	SA	
397	AD61-02550A	BRACKET-FUCTION GROUND;RAINBOW1(33X	1	SA	
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	VP-DC161W/SEO
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	VP-DC161W/XEE
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	VP-DC161W/XEF
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	VP-DC161W/XEG
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	VP-DC161W/XET
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	VP-DC161W/XEU
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	VP-DC161WI/XEV
C056	AD97-10990A	ASSY-CAP HOOD;ASSY,RAINBOW1(33X),0.	1	SA	
C213	AD61-02420A	BRACKET-FRONT;RAINBOW1(33X),SUS,T0.	2	SA	
C314	AD97-10721A	ASSY-CCD;-,RAINBOW,PAL,ASSY-CCD, PA	1	SA	
C594	AD61-02357A	PLATE-CCD;DRAGON2-PJ,AL,T1,W21,L25,	1	SA	
C606	AD64-01488A	BUTTON-DISPLAY;RAINBOW1(33X),PC+ABS	1	SA	
C607	0605-001086	CCD;COLOR,DIP,14P,8.2x8.2x2.4mm,68	1	SA	
C866	AD69-00420A	PAD-SPEAKER;DELTA-PJ,PORON,-,-,-,-,	1	SA	
CE02	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CNM01	3708-001147	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
JM01	3722-001435	JACK-PHONE;4P,3.6PI,AG,RED,-	1	SA	
L064	AD41-00796A	FPC-CVF;RAINBOW1-PJ,0,POLYAMID,18,6	1	SA	
LDE01	0601-001006	LED;SMD,Y-GRN,1.3X2.9MM,570NM,2.4X	1	SA	
LDM02	0601-001896	LED;SMD,BLUE,1.6x0.8x0.4mm,470,1.6	1	SA	
LDM03	0601-001896	LED;SMD,BLUE,1.6x0.8x0.4mm,470,1.6	1	SA	
P272	AD97-10851A	ASSY-INNER RIGHT;ASSY,RAINBOW1(33X)	1	SA	
P281	AD97-10967A	ASSY PCB-EJECT FPC;RAINBOW1-PJ,ASSY	1	SA	
P282	AD97-10966A	ASSY PCB-POWER FPC;RAINBOW1-PJ,ASSY	1	SA	
RE01	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	SA	
RE02	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
RE03	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
RE04	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
SWE01	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWE02	3409-001191	SWITCH-DETECTOR;5V,1mA,-,0.35gf,ON-	1	SA	
SWM01	3409-001183	SWITCH-DETECTOR;3V,0.1A,SPST,500gf,	1	SA	
SWM02	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWM03	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
W111	6001-000805	SCREW-MACHINE;CH,+,-,M1.7,L3,NI PLT	2	SA	
W113	6002-001085	SCREW-TAPPING;CH,+,2,M1.7,L5,ZPC(BL	1	SA	
W116	6001-001527	SCREW-MACHINE;CH(0.3),+,M1.7,L2.0,N	3	SA	
W118	6003-001291	SCREW-TAPTITE;CH,+,B,M1.4,L3.0,ZPC(	2	SA	
W119	6001-001444	SCREW-MACHINE;PH,+,M1.7,L2.0,ZPC(BL	2	SA	
W124	6001-001526	SCREW-MACHINE;CH(0.3),+,M1.7,L3.0,N	2	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	4	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	6	SA	
W129	6001-001719	SCREW-MACHINE;CH,+,M1.7,L4,NI PLT	1	SA	
W206	6001-001373	SCREW-MACHINE;PH,T0.5,+,-,M1.7,L3.0	2	SA	
W224	6001-000877	SCREW-MACHINE;CH,+,M1.7,L3,ZPC(BLK)	2	SA	
W226	6003-001148	SCREW-TAPTITE;PH,+,B,M1.7,L6,ZPC(BL	3	SA	
W241	6001-001291	SCREW-MACHINE;CH(0.5),*,-,M1.7,L4,Z	13	SA	
W278	6003-001166	SCREW-TAPTITE;CH,+,B,M1.4,L4,NI PLT	3	SA	
W298	6003-001508	SCREW-TAPTITE;PH,+,B,M1.4,L3,NI PLT	1	SA	

6-2 VP-DC163(W)(I) Parts List

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
P001	**AD97-10596C**	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/AND**
	AD97-10596C	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/CDM**
	AD97-10596C	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/KNT**
	AD97-10596C	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/XEF**
	AD97-10596C	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/XEG**
	AD97-10596C	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/XEO**
	AD97-10596C	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/XET**
	AD92-00036Q	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163/SEO**
	AD92-00036J	**ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D**	**1**	**SA**	**VP-DC163I/XEV**
	AD92-00032A	**ASSY PCB-MAIN BOARD;VP-DC163I/CHN (**	**1**	**SA**	**VP-DC163I/CHN**
	AD92-00036C	**ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R**	**1**	**SA**	**VP-DC163I/XST**
	AD92-00036C	**ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R**	**1**	**SA**	**VP-DC163I/MEA**
	AD92-00036C	**ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R**	**1**	**SA**	**VP-DC163I/SEA**
	AD92-00036C	**ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R**	**1**	**SA**	**VP-DC163I/TAW**
	AD92-00036C	**ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R**	**1**	**SA**	**VP-DC163I/UMG**
	AD92-00036C	**ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R**	**1**	**SA**	**VP-DC163I/XSH**
	AD92-00036C	**ASSY PCB-MAIN BOARD;VP-DC163I/MEA,R**	**1**	**SA**	**VP-DC163I/HAC**
BD101	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD102	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD103	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD104	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD105	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BM05	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
BM07	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM08	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM09	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM10	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
C101	2404-001269	C-TA,CHIP;10uF,20%,20V,-,TP,3528	1	SA	
C104	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C105	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,1005	1	SA	
C106	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C107	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C108	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C109	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,100	1	SA	
C110	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C111	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,1005	1	SA	
C112	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C113	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C114	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C115	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C116	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C117	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C118	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C119	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C120	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C121	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C123	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C124	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C125	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
C127	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C133	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C134	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C135	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C136	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
C137	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C139	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C140	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C141	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C142	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C143	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C145	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C146	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C147	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C149	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C150	2203-005921	C-CER,CHIP;10000NF,20%,4V,X5R,TP,20	1	SA	
C151	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C153	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C154	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C155	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C156	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C158	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C159	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C160	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C161	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C163	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C164	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C165	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C171	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C172	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C174	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C175	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C177	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C180	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
C181	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216	1	SA	
C182	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216	1	SA	
C184	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C185	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C190	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C191	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C192	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C196	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C201	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/CHN
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/HAC
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/MEA
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/SEA
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/TAW
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/UMG
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/XEV
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/XSH
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/XST
C202	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/CHN
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/HAC
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/MEA
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/SEA
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/TAW
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/UMG
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/XEV
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/XSH
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC163I/XST
C221	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C222	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C223	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C224	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C225	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C226	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C227	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C228	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C229	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C230	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C231	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C232	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C233	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C234	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C235	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/CHN
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/HAC
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/MEA
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/SEA
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/TAW
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/UMG
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/XEV
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/XSH
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC163I/XST
C236	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C237	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C238	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/CHN
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/HAC
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/MEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/SEA
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/TAW
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/UMG
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC163I/XST
C239	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C240	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/CHN
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/HAC
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/MEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/SEA
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/TAW
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/UMG
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC163I/XST
C241	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C242	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C250	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
C252	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
C254	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
C301	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C302	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C303	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C304	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C305	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C308	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C309	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C311	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C312	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C313	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C314	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C315	2404-001257	C-TA,CHIP;1UF,20%,16V,-,TP,2012	1	SA	
C316	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C317	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C318	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C321	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C322	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C323	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C324	2404-001257	C-TA,CHIP;1UF,20%,16V,-,TP,2012	1	SA	
C325	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C326	2404-001244	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,2012	1	SA	
C327	2203-005887	C-CER,CHIP;680NF,+80-20%,10V,Y5V,TP	1	SA	
C328	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C329	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C330	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C331	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C332	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C333	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C334	2404-001285	C-TA,CHIP;4.7UF,20%,10V,WT,TP,2012	1	SA	
C335	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C336	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C401	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C402	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C403	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C404	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C405	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C406	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C407	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C408	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C413	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C414	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C415	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C416	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C417	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C418	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C419	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C420	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C421	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C422	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C423	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C424	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C425	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C426	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C427	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C428	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C429	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C430	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C431	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C432	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C433	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C438	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C439	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C440	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C441	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C501	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C502	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C503	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C515	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C519	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C521	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C522	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C524	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C525	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C526	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C527	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C529	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C532	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C533	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C534	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C535	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C537	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C538	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C539	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C540	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C541	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C542	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C543	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C544	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C545	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C546	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C548	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C549	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C550	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C551	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C553	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C554	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C555	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C556	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C559	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C561	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C565	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C567	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C570	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C571	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C572	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C601	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C602	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C603	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C605	2203-005993	C-CER,CHIP;68NF,10%,16V,X7R,TP,1005	1	SA	
C606	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C607	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C608	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C609	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C610	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C611	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C612	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C613	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C614	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
C615	2203-000234	C-CER,CHIP;0.1NF,5%,50V,COG,TP,1005	1	SA	
C616	2203-000234	C-CER,CHIP;0.1NF,5%,50V,COG,TP,1005	1	SA	
C617	2203-000234	C-CER,CHIP;0.1NF,5%,50V,COG,TP,1005	1	SA	
C618	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C619	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C620	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C621	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C622	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C623	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C624	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C625	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C626	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C627	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C628	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C629	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C630	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C631	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C632	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C633	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C705	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C707	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,COG,	1	SA	
C708	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,COG,100	1	SA	
C709	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C710	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C712	2203-005061	C-CER,CHIP;100nF,+80-20%,16V,Y5V,10	1	SA	
C713	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C714	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C715	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,COG,	1	SA	
C716	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,COG,100	1	SA	
C720	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C721	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C722	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C723	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C724	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C725	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C726	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C730	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CA17	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
CA31	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA33	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA34	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA35	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA37	2203-005061	C-CER,CHIP;100nF,+80-20%,16V,Y5V,10	1	SA	
CM01	2203-001221	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,10	1	SA	
CM02	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CM03	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,COG,100	1	SA	
CM04	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,COG,100	1	SA	
CM06	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM07	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CM103	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM11	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM12	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM14	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CM15	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM16	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM17	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM18	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM19	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM20	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM201	2203-000330	C-CER,CHIP;0.012nF,5%,50V,COG,1005	1	SA	
CM202	2203-000330	C-CER,CHIP;0.012nF,5%,50V,COG,1005	1	SA	
CM203	2203-000330	C-CER,CHIP;0.012nF,5%,50V,COG,1005	1	SA	
CM204	2203-000330	C-CER,CHIP;0.012nF,5%,50V,COG,1005	1	SA	
CM21	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM24	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM27	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM28	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM29	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM30	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM31	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM32	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM34	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM35	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CM42	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM43	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM49	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM53	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM54	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM61	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM62	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CN101	3710-001498	SOCKET-BOARD TO BOARD;50P,2R,0.5mm,	1	SA	
CN301	3708-001111	CONNECTOR-FPC/FFC/PIC;14P,0.5mm,SMD	1	SA	
CN405	3710-001498	SOCKET-BOARD TO BOARD;50P,2R,0.5mm,	1	SA	
CN601	3708-001711	CONNECTOR-FPC/FFC/PIC;51P,0.3mm,SMD	1	SA	
CN704	3711-005479	HEADER-BOARD TO BOARD;BOX,22P,2R,0.	1	SA	
CN705	3708-000382	CONNECTOR-FPC/FFC/PIC;16P,0.5MM,SMD	1	SA	
CN706	3708-001842	CONNECTOR-FPC/FFC/PIC;7P,0.5MM,SMD-	1	SA	
CNDR1	3710-002334	SOCKET-BOARD TO BOARD;40P,2R,0.5mm,	1	SA	
CNM01	3708-001071	CONNECTOR-FPC/FFC/PIC;22P,0.5MM,SMD	1	SA	
CP01	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
CP02	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528	1	SA	
CP03	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP04	2404-001160	C-TA,CHIP;3.3uF,20%,35V,GP,TP,3528	1	SA	
CP06	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CP07	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP09	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
CP11	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
CP12	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP13	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP14	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP15	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP16	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP17	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP18	2203-000815	C-CER,CHIP;0.033nF,5%,50V,COG,1608	1	SA	
CP19	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP20	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP21	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP22	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP23	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CP24	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CP26	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP27	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP28	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP29	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP30	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CP301	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CP302	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP303	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CP304	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
CP306	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
CP307	2203-001432	C-CER,CHIP;47nF,+80-20%,16V,Y5V,100	1	SA	
CP41	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP42	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,100	1	SA	
CP48	2203-006047	C-CER,CHIP;33NF,10%,16V,X7R,TP,1005	1	SA	
CP50	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
D101	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D201	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D202	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D203	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
DP01	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
F101	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
F102	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
F104	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
IC101	1203-003567	IC-PWM CONTROLLER;BD9833KV,VQFP,48P	1	SA	
IC202	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/CHN
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/HAC

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/MEA
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/SEA
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/TAW
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/UMG
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/XEV
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/XSH
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC163I/XST
IC203	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/CHN
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/HAC
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/MEA
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/SEA
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/TAW
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/UMG
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/XEV
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/XSH
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC163I/XST
IC204	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/CHN
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/HAC
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/MEA
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/SEA
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/TAW
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/UMG
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/XEV
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/XSH
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC163I/XST
IC301	1205-002715	IC-CODEC;BU7807-01KV,VQFP,48P,7x7mm	1	SA	
IC401	1204-002516	IC-ENCODER;MS2199-CAZ,TAPP,252P,13x	1	SA	
IC402	1105-001336	IC-DRAM;-,-,-,4x512Kx32Bit,TSOP,86P	1	SA	
IC501	1204-002517	IC-DECODER;MS8202-CAZ,TAPP,252P,13x	1	SA	
IC502	1105-001542	IC-DRAM;K4M563233D-EE80T00,-,-,4x2M	1	SA	
IC503	1107-001603	IC-FLASH MEMORY;S29JL032H,32Mbit,4M	1	SNA	
IC504	1103-001218	IC-EEPROM;524AB0X91,4Kx8,SOP,8P,5.1	1	SA	
IC601	1003-001806	IC-LCD DRIVER;S5D4100X,FBGA,88P,7x7	1	SA	
IC602	1003-001874	IC-LCD DRIVER;KCD-A200-0A,LQFP,48P,	1	SA	
IC701	AD09-00280A	IC MICOM;TMP91FY42A,RAINBOW1,100,3.	1	SA	
IC703	1203-002807	IC-POSI.FIXED REG.;XC6413FY01MR,SOT	1	SA	
IC705	0801-002417	IC-CMOS LOGIC;7SHU04,INVERTER,SSOP,	1	SA	
ICA02	1105-001605	IC-DRAM;K4S283233F,4x1Mx32Bit,FBGA,	1	SA	
ICA03	1107-001365	IC-FLASH MEMORY;29LV160BE,1Mx16/2Mx	1	SNA	
ICM01	AD13-00039A	IC ASIC-DSP;S5C7377,DRAGON2-PJ,337,	1	SNA	
ICM02	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	
ICM03	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	
ICM04	1103-001218	IC-EEPROM;524AB0X91,4Kx8,SOP,8P,5.1	1	SA	
ICP01	1003-001065	IC-CLOCK DRIVER;KS7221D,SOP,20P,225	1	SA	
ICP02	1002-001449	IC-A/D CONVERTER;VSP2582RHN,12,QFP,	1	SA	
ICP03	1003-001919	IC-MOTOR DRIVER;uPD168103AK,WQFN,48	1	SA	
ICP04	1201-002101	IC-OP AMP;KIA358AFK,US,TP,8P,2x2.3m	1	SA	
ICP05	1201-002101	IC-OP AMP;KIA358AFK,US,TP,8P,2x2.3m	1	SA	
L104	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L106	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L108	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L110	2703-001872	INDUCTOR-SMD;22uH,20%,6060	1	SA	
L112	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L113	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L114	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L117	2703-001872	INDUCTOR-SMD;22uH,20%,6060	1	SA	
L119	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L121	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L122	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L123	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L125	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
L126	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L128	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L129	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L130	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L133	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L135	2703-000397	INDUCTOR-SMD;33uH,10%,2520	1	SA	
L136	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L137	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L138	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L139	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L203	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L204	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/CHN
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/HAC
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/MEA
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/SEA
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/TAW
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/UMG
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/XEV
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/XSH
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC163I/XST
L301	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L302	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
L303	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L304	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L402	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L405	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L505	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L507	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L511	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L601	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L602	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L603	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L701	2703-002174	INDUCTOR-SMD;10uH,10%,2520	1	SA	
L702	2703-000371	INDUCTOR-SMD;4.7uH,5%,2520	1	SA	
L703	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
L704	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
L705	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
LP01	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
LP02	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
LP03	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
LP04	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
LP05	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
Q101	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q102	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q103	0505-001646	FET/SBD;MCH5803,N,30V,1.4A,370MOHM,	1	SA	
Q104	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q105	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q106	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q107	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q108	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q109	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q110	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q111	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q112	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q113	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q115	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q119	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q120	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q130	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q131	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q132	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q135	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q136	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q137	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q301	0504-001101	TR-DIGITAL;EMD2,NPN/PNP,150MW,22K/2	1	SA	
Q302	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
Q303	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
Q702	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q703	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q704	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q705	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q706	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q707	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q710	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q711	0502-001266	TR-POWER;KTA1532T,PNP,900mW,TSM,TP,	1	SA	
Q712	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
Q713	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
QP01	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
QP05	0504-001025	TR-DIGITAL;DTC143EE,NPN,150MW,4.7K,	1	SA	
R101	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R102	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	1	SA	
R103	2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
R105	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R106	2007-007946	R-CHIP;470Kohm,1%,1/16W,TP,1005	1	SA	
R107	2007-007946	R-CHIP;470Kohm,1%,1/16W,TP,1005	1	SA	
R108	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SA	
R109	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R1100	2007-007470	R-CHIP;7.5Kohm,1%,1/16W,DA,TP,1005	1	SA	
R116	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R117	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R118	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R119	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R120	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R121	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R122	2007-008391	R-CHIP;6.34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R123	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R124	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	SA	
R125	2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	1	SA	
R126	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R127	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R128	2007-008037	R-CHIP;57.6Kohm,1%,1/16W,DA,TP,1005	1	SA	
R129	2007-008391	R-CHIP;6.34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R130	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	SA	
R131	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R132	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R133	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R134	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R135	2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SA	
R140	2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
R141	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R146	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R147	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R148	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SA	
R149	2007-008417	R-CHIP;34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R150	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R151	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R152	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R153	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R154	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R155	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
R156	2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
R157	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R160	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R161	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R173	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R174	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R175	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R176	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R177	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R178	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R179	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R180	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R183	2007-000161	R-CHIP;82KOHM,5%,1/16W,TP,1005	1	SA	
R190	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R199	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R201	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/CHN
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/HAC
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/MEA
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/SEA
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/TAW
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/UMG
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XEV
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XSH
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XST

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R209	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/CHN
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/HAC
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/MEA
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/SEA
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/TAW
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/UMG
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XEV
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XSH
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XST
R210	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/CHN
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/HAC
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/MEA
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/SEA
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/TAW
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/UMG
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XEV
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XSH
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XST
R211	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/CHN
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/HAC
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/MEA
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/SEA
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/TAW
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/UMG
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XEV
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XSH
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XST
R217	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/CHN
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/HAC
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/MEA
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/SEA
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/TAW
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/UMG
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XEV
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XSH
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XST
R219	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/CHN
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/HAC
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/MEA
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/SEA
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/TAW
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/UMG
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XEV
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XSH
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XST
R250	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R254	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R258	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R262	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/CHN
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/HAC
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/MEA
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/SEA
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/TAW
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/UMG
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XEV
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XSH
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC163I/XST
R263	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R264	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R265	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R266	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R301	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R302	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R303	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R304	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R305	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R306	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R311	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R312	2007-000831	R-CHIP;39Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R315	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R316	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R317	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R318	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R319	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R320	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R321	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R322	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R324	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R325	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R326	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R328	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R329	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R330	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R331	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R333	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R334	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R335	2007-000566	R-CHIP;220Kohm,5%,1/16W,TP,1005	1	SA	
R336	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R337	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R338	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R339	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R340	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R341	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R342	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R343	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R401	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R402	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R403	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R404	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R405	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R406	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R407	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R408	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R409	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R410	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R411	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R412	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R413	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R414	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R415	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R416	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R417	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R418	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R419	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R420	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R421	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R422	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R425	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R429	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R430	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R433	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R434	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R435	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R436	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R437	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R480	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R481	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R511	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R512	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R513	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R516	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R517	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R518	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R519	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R520	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R521	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R522	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R523	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R524	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R526	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R527	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R528	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R529	2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	1	SA	
R530	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R531	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R532	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R533	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R534	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R535	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R536	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R537	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R538	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R539	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R540	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R541	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R543	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R544	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R545	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R546	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R547	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R548	2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	1	SA	
R549	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R550	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R551	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R552	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R554	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R555	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R556	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R559	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R562	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R571	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R572	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R573	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R574	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R576	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R580	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R581	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R582	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R603	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R604	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R605	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R606	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R607	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R608	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R609	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R610	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R611	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R612	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R613	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R614	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R615	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R616	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R617	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R618	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R619	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R620	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R621	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R622	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R623	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R624	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R625	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R626	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R627	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R628	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R629	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R630	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R631	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R632	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R633	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R6390	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R701	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R702	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R703	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R704	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R705	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R706	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R707	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7104	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7105	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R711	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7116	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R712	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7139	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7140	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7151	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7157	2007-000160	R-CHIP;68Kohm,5%,1/16W,TP,1005	1	SA	
R717	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R718	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7180	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
R7181	2007-007001	R-CHIP;3.9KOHM,5%,1/16W,TP,1005	1	SA	
R7182	2007-001319	R-CHIP;1.2KOHM,5%,1/16W,TP,1005	1	SA	
R7183	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R7184	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7185	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7187	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R719	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R720	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7200	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R721	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R731	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R732	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R733	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R734	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R735	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R736	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R738	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R739	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R740	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R741	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R743	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R750	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7507	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7510	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7519	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R752	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7530	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7534	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R754	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R755	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R756	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R757	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7594	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7603	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7657	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7668	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7696	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7697	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7700	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7701	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7702	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7703	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7704	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7707	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7708	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R7709	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R7710	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R780	2007-000142	R-CHIP;2.7KOHM,5%,1/16W,TP,1005	1	SA	
R781	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R782	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R783	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R784	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R785	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R786	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R787	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R789	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R790	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R791	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RA50	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RA51	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RA52	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RA53	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RA561	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA579	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA581	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA589	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA96	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA97	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA98	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RBD01	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RBD02	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM01	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	1	SA	
RM02	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM03	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM04	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM06	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM09	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM10	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RM100	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM101	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM11	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RM12	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM120	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM121	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM126	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM127	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM128	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM129	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM21	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM22	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM25	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM26	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM27	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM28	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM288	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM29	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
RM30	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
RM301	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM303	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM304	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM32	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM33	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM35	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	1	SA	
RM52	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM53	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM530	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
RM55	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM56	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM57	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM59	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
RM60	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM61	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM62	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM63	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM64	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM66	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM67	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM68	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM69	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM70	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM703	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM704	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM705	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM706	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM707	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM708	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM709	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM710	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM711	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM712	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM713	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM90	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP01	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA	
RP05	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP06	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP07	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP08	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
RP10	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP11	2007-000164	R-CHIP;150KOHM,5%,1/16W,TP,1005	1	SA	
RP12	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RP153	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP202	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP301	2007-007001	R-CHIP;3.9KOHM,5%,1/16W,TP,1005	1	SA	
RP302	2007-001313	R-CHIP;330ohm,5%,1/16W,TP,1005	1	SA	
RP304	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP305	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP306	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP307	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RP308	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
RP309	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP310	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
RP311	2007-000142	R-CHIP;2.7KOHM,5%,1/16W,TP,1005	1	SA	
RP312	2007-000636	R-CHIP;270KOHM,5%,1/16W,TP,1005	1	SA	
RP313	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP314	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP316	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	1	SA	
RP317	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RP318	2007-000775	R-CHIP;33KOHM,5%,1/16W,TP,1005	1	SA	
RP39	2007-001307	R-CHIP;180ohm,5%,1/16W,TP,1005	1	SA	
RP40	2007-001307	R-CHIP;180ohm,5%,1/16W,TP,1005	1	SA	
RP41	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SA	
RP42	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SA	
RP50	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP504	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP51	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP52	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP53	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP601	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
RP602	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
RP80	2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
RPB54	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RX01	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
X201	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/CHN
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/HAC
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/MEA
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/SEA
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/TAW
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/UMG

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/XEV
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/XSH
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC163I/XST
X701	2801-004479	CRYSTAL-SMD;16.0MHz,10ppm,SX-6,18pF	1	SA	
X702	2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-AC	1	SA	
XM01	2804-001309	OSCILLATOR-CLOCK;54MHZ,20PPM,10TTL	1	SA	
XM02	2801-003827	CRYSTAL-SMD;48MHZ,30PPM,28-ACI,7PF,	1	SA	
P003	**AD97-10598A**	**ASSY PCB-LEFT BOARD;RAINBOW-PJ,SC-D**	**1**	**SA**	
CLF01	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF02	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF03	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF04	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF05	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF20	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CLM01	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CLM02	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CNLF01	3708-001711	CONNECTOR-FPC/FFC/PIC;51P,0.3mm,SMD	1	SA	
CNLF02	3708-001396	CONNECTOR-FPC/FFC/PIC;22P,0.5MM,SMD	1	SA	
CNLF04	3711-000541	HEADER-BOARD TO CABLE;BOX,2P,1R,1.2	1	SA	
CNLF05	3708-001022	CONNECTOR-FPC/FFC/PIC;18P,0.5MM,SMD	1	SA	
CNLF06	3708-001603	CONNECTOR-FPC/FFC/PIC;24P,0.5MM,SMD	1	SA	
LLED01	0601-001006	LED;SMD,Y-GRN,1.3X2.9MM,570NM,2.4X	1	SA	
LLF12	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
LLM01	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
MSLOT	3709-001309	CONNECTOR-CARD EDGE;9/10P,2.5mm/1.5	1	SA	
RLF02	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RLF03	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RLF04	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RLF05	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RLF06	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RLF07	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RLF08	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RLF09	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RLF23	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLF24	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLF25	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLM01	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RLM02	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM03	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM04	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM05	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM06	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM07	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM08	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM09	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RLM10	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM11	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM12	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM13	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM14	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM15	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM18	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RLM23	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RLM24	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RLM26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
SWLF01	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF02	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF03	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF04	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF05	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF06	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF07	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF08	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF09	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF10	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF11	3403-001154	SWITCH-PUSH;5V DC,1 mA,4,NON-LOCK,-	1	SA	

Loc No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
SWLF12	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF13	3409-001184	SWITCH-DETECTOR;1mA,DC 5V,SPST,50gf	1	SA	
P009	**AD97-10597A**	**ASSY PCB-REAR BOARD;RAINBOW-PJ,SC-D**	**1**	**SA**	
BACKUP	AD63-00075A	TERMINAL—LI BATT(-);M1-PJ,C5210R-H	1	SA	
BACKUP	AD65-00025A	TERMINAL-LITHUM PLATE +;THETA2-PJ,B	1	SA	
BTR1	AD65-00023A	TERMINAL-PLATE +;THETA2-PJ,BE-CU,-,	1	SA	
BTR2	AD65-00023A	TERMINAL-PLATE +;THETA2-PJ,BE-CU,-,	1	SA	
CNR01	3711-004283	CONNECTOR-HEADER;BOX,50P,2R,0.5MM,S	1	SA	
CNR02	3710-001478	SOCKET-BOARD TO BOARD;18P,2R,1MM,SM	1	SA	
CR01	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CR02	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CR03	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CR10	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
DR01	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523	1	SA	
DR02	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523	1	SA	
FER01	0505-001726	FET-SILICON;ECH8603,P,-20V,-4A,37MO	1	SA	
ICR01	1201-001376	IC-OP AMP;75W01,SSOP,8P,110MIL,DUAL	1	SA	
ICR02	0909-001013	IC-REAL TIME CLOCK;5C372,SOP,8P,-,3	1	SA	
JR01	AD97-08500A	ASSY-DC JACK;TC18-431-01,DELTA2-PJ,	1	SA	
MULR01	3722-002262	JACK-PIN;8P,AUF,BLK,ANGLE	1	SA	
QR01	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
QR02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K	1	SA	
QR03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K	1	SA	
QR04	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,P	1	SA	
QR05	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,P	1	SA	
RR01	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR02	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
RR03	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	SA	
RR04	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA	
RR05	2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	SA	
RR10	2007-000923	R-CHIP;470Kohm,1%,1/10W,TP,1608	1	SA	
RR11	2007-000563	R-CHIP;220Kohm,1%,1/10W,TP,1608	1	SA	
RR12	2007-001198	R-CHIP;820ohm,1%,1/8W,TP,2012	1	SA	
RR13	2007-001198	R-CHIP;820ohm,1%,1/8W,TP,2012	1	SA	
RR14	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR15	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR16	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR17	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR18	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR19	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA	
SWR01	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWR02	3404-001171	SWITCH-TACT;12V DC,50MA,200GF,6.6X6	1	SA	
USBR01	3722-001741	JACK-MINI USB;5P/1C,AU30U,BLK,SMD-A	1	SA	
XR01	2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-AC	1	SA	
P004	**AD92-00038A**	**ASSY PCB-LCD BOARD;VP-DC163/XEG,AUO**	**1**	**SA**	
BL01	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	
BL02	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	
BL03	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	
BL04	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	
BL05	3301-001649	BEAD-SMD;180ohm,1608,-,TP,-,226ohm/	1	SA	
CL01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CL03	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL04	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,T	1	SA	
CL05	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,T	1	SA	
CL06	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL07	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,T	1	SA	
CL08	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,T	1	SA	
CL09	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL10	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL11	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL12	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL13	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL14	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL15	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
CL16	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL17	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,T	1	SA	
CL18	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,T	1	SA	
CL19	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CL20	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	
CL21	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CNL01	3708-001405	CONNECTOR-FPC/FFC/PIC;24P,0.5MM,SMD	1	SA	
CNL02	3708-002188	CONNECTOR-FPC/FFC/PIC;40,0.5mm,SMD-	1	SA	
CNL03	3708-001148	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
RL01	2007-001135	R-CHIP;68ohm,5%,1/4W,TP,3216	1	SA	
RL02	2007-000939	R-CHIP;47Kohm,1%,1/10W,TP,1608	1	SA	
RL03	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	1	SA	
RL04	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RL05	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
P004A	**AD97-10599A**	**ASSY PCB-FUNCTION BOARD;RAINBOW-PJ,**	**1**	**SA**	
CF01	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CNF01	3708-001147	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
RF01	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RF02	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RF03	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RF04	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RF05	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
SWF01	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWF02	3404-001268	SWITCH-TACT;12V,50MA,130GF,7.5X7.5X	1	SA	
P005	AD92-00030A	ASSY PCB-FRONT BOARD;SC-DC164,FRONT	1	SA	
CFR01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CNFR01	3708-001075	CONNECTOR-FPC/FFC/PIC;14P,0.5MM,SMD	1	SA	
CNFR02	3711-005090	HEADER-BOARD TO CABLE;BOX,4P,1R,1MM	1	SA	
RFR02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
RFR03	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RFR04	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
P002	**AD97-10720A**	**ASSY PCB-CCD BOARD;RAINBOW-PJ,PAL,C**	**1**	**SNA**	
CC02	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC03	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC04	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA	
CC05	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CNC01	3711-006038	HEADER-BOARD TO BOARD;BOX,40P,2R,0.	1	SA	
CNC02	3708-001671	CONNECTOR-FPC/FFC/PIC;23P,0.3MM,SMD	1	SA	
DC01	0401-001054	DIODE-SWITCHING;KDS160,80V,100MA,SO	1	SA	
QC01	0505-000180	FET-SILICON;2SK1070,N,-,50mA,-,150m	1	SA	
RC01	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
RC02	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA	
RC03	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
L052	**AD97-10942A**	**ASSY PCB-CVF BOARD;NT/PAL,RAINBOW2-**	**1**	**SNA**	
CC01	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216	1	SA	
CC02	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC03	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC04	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC05	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC06	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC07	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC08	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC09	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216	1	SA	
CC10	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC11	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216	1	SA	
CC12	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CNC01	3708-001914	CONNECTOR-FPC/FFC/PIC;15P,0.5mm,SMD	1	SA	
CNC02	3708-002168	CONNECTOR-FPC/FFC/PIC;15P,0.5MM,SMD	1	SA	
LEDC01	AD07-00023A	B/L LED WHT;-,-,-,3*2*1.2,1.2,-,-,5	1	SA	
RC01	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
RC02	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	
C10	2203-000455	C-CER,CHIP;1nF,5%,50V,C0G,2012	1	SA	
C11	2301-001092	C-FILM,LEAD-PEF;100nF,20%,275V,BK,1	1	SA	
C12	2401-003302	C-AL;47uF,20%,400V,GP,TP,18X31.5,7.	1	SA	
C13	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	1	SA	
C14	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C15	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C16	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C30	2201-000828	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,T	1	SA	
C50	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	1	SA	
C51	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	1	SA	
C55	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	1	SA	
C57	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C58	2203-000192	C-CER,CHIP;100nF,+80-20%,50V,Y5V,TP	1	SA	
C59	2203-000938	C-CER,CHIP;0.47nF,5%,50V,C0G,2012	1	SA	
C61	2203-000192	C-CER,CHIP;100nF,+80-20%,50V,Y5V,TP	1	SA	
C62	2401-000438	C-AL;10uF,20%,25V,GP,-,5x11,5	1	SA	
C63	2203-000455	C-CER,CHIP;1nF,5%,50V,C0G,2012	1	SA	
D10	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D11	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D12	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D13	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D52	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3	1	SA	
D53	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
D54	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
D55	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
F10	3601-000207	FUSE-CARTRIDGE;250V,1A,TIME-LAG,GLA	1	SA	
IC51	AC14-12001K	IC;KA324,-,-	1	SA	
J50	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
J53	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
PC10	0604-000119	PHOTO-COUPLER;TR,200-400%,200mW,DIL	1	SA	
Q52	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350mW	1	SA	
R10	2007-000481	R-CHIP;1Mohm,5%,1/4W,TP,3216	1	SA	
R11	2007-000481	R-CHIP;1Mohm,5%,1/4W,TP,3216	1	SA	
R13	2003-000771	R-METAL OXIDE(S);68Kohm,5%,2W,AA,TP	1	SA	
R14	2007-000598	R-CHIP;22ohm,5%,1/4W,TP,3216	1	SA	
R15	2007-000768	R-CHIP;330ohm,5%,1/4W,TP,3216	1	SA	
R16	2007-000768	R-CHIP;330ohm,5%,1/4W,TP,3216	1	SA	
R17	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R18	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R19	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R20	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R21	2001-000374	R-CARBON;15OHM,5%,1/4W,AA,TP,2.4X6.	1	SA	
R30	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X	1	SA	
R30	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,-	1	SA	
R30A	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,-	1	SA	
R50	2007-000472	R-CHIP;1Kohm,5%,1/4W,TP,3216	1	SA	
R51	2007-000472	R-CHIP;1Kohm,5%,1/4W,TP,3216	1	SA	
R53	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R54	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R55	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
R57	2007-000938	R-CHIP;47Kohm,1%,1/8W,TP,2012	1	SA	
R58	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R59	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R60	2007-000771	R-CHIP;33Kohm,1%,1/8W,TP,2012	1	SA	
R61	2007-000395	R-CHIP;150Kohm,5%,1/8W,TP,2012	1	SA	
R62	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	1	SA	
R63	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	1	SA	
R64	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R65	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R66	2007-000406	R-CHIP;15Kohm,1%,1/8W,TP,2012	1	SA	
R68	2007-000572	R-CHIP;220ohm,5%,1/8W,TP,2012	1	SA	
R70	2007-000546	R-CHIP;20Kohm,5%,1/8W,TP,2012	1	SA	
R71	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	1	SA	
R72	2007-000582	R-CHIP;22Kohm,1%,1/8W,TP,2012	1	SA	
R74	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R76	2005-000102	R-WIRE WOUND;0.1ohm,1%,1W,AA,TP,4.5	1	SA	
R77	2007-000068	R-CHIP;470Kohm,5%,1/8W,TP,2012	1	SA	
R79	2007-001067	R-CHIP;6.8Kohm,1%,1/8W,TP,2012	1	SA	
VR50	2101-001049	VR-ROTARY;500ohm,0%,-,-	1	SA	
LF10	AC27-32001F	COIL-LINE FILTER;BSF-2123,20MH,2OHM	1	SC	
R00	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	1	SC	
R80	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	1	SC	
	AD59-00148A	REMOCON;BRM-D3,S J WINTECH,13.5*110	1	SA	
CT02	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	1	SA	
CT03	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	1	SA	
CT04	2203-000199	C-CER,CHIP;100nF,+80-20%,50V,Z5U,TP	1	SA	
LDT01	0601-000519	LED-IR;ROUND,5mm,170mW,4V,940nm,TP	1	SA	
RT01	2007-000483	R-CHIP;1OHM,5%,1/8W,TP,2012	1	SA	
C045	AD61-00628A	HOLDER-BATTERY;BRM-D2,BRM-E1,WL-85,	1	SA	
	3721-001066	PLUG-CONVERSION;3P,-,-,NI	1	SA	VP-DC163I/UMG
	AD39-00076A	POWER CORD;AA-E6A,ME301P,ME301P,125	1	SA	VP-DC163I/XST
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/AND
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/CDM
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/KNT
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/SEO
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/XEF
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/XEG
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/XEO
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163/XET
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163I/HAC
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163I/MEA
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163I/SEA
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163I/TAW
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC163I/XEV
	AD39-00078A	POWER CORD;AA-E6A,MP5004A,MP5004A,2	1	SA	VP-DC163I/UMG
	AD39-00078A	POWER CORD;AA-E6A,MP5004A,MP5004A,2	1	SA	VP-DC163I/XSH
	AD39-00080A	POWER CORD;AA-E6A,V301C,V301C,250V,	1	SA	VP-DC163I/CHN
001	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/AND
002	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/AND
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/CDM
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/CDM
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/KNT
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/SEO
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/XEF
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/XEF
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/XEG
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/XEO
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163/XET
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/HAC
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/MEA
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/MEA
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/SEA
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/SEA
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/TAW
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/TAW
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/UMG
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/UMG
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/XEV
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/XEV
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/XSH
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/XSH
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/XST
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC163I/XST
	AD43-00136C	BATTERY-PACK;SB-LSM80/CHN,SONY,Li-i	1	SA	VP-DC163I/CHN
	AD43-00136C	BATTERY-PACK;SB-LSM80/CHN,SONY,Li-i	1	SA	VP-DC163I/CHN
	AD43-00160A	BATTERY-PACK;SB-LSM80/HAC,SB-LSM80/	1	SA	VP-DC163I/HAC
1	AD43-10130H	BATTERY-LITHUM;LI-ION,CR2025,LITHIU	1	SA	
2	AD43-10130H	BATTERY-LITHUM;LI-ION,CR2025,LITHIU	1	SA	
	AD44-00088A	ADAPTOR-AC POWER;AA-E8/CHN,AA-E8,10	1	SA	VP-DC163I/CHN

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/AND
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/CDM
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/KNT
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/SEO
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/XEF
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/XEG
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/XEO
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163/XET
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163I/MEA
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163I/SEA
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163I/TAW
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163I/UMG
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163I/XEV
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163I/XSH
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC163I/XST
	AD44-00101A	ADAPTOR-AC POWER;AA-E8/HAC,AA-E8,-,	1	SA	VP-DC163I/HAC
	AD46-00061A	SOFTWARE PACK;Video Studio,DVC,7.0,	1	SA	
	AD46-00082A	SOFTWARE PACK-DVC MEDIA PRO;DVC MED	1	SA	
	AD68-00993J	MANUAL USERS;VP-DC163,XEU,ENG,-,MOJ	1	SA	VP-DC163I/XST
	AD68-00993K	MANUAL USERS;VP-DC163,XEV,RUS/UKR,-	1	SA	VP-DC163/SEO
	AD68-00993K	MANUAL USERS;VP-DC163,XEV,RUS/UKR,-	1	SA	VP-DC163I/XEV
	AD68-00993L	MANUAL USERS;VP-DC163,XEC,ENG/ESP/I	1	SA	VP-DC163/XET
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163/AND
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163/CDM
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163/KNT
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163/XEG
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163I/MEA
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163I/TAW
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163I/UMG
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC163I/XSH
	AD68-00993N	MANUAL USERS;VP-DC163,TAW,ARAB,-,MO	1	SA	VP-DC163I/MEA
	AD68-00993N	MANUAL USERS;VP-DC163,TAW,ARAB,-,MO	1	SA	VP-DC163I/TAW
	AD68-00993N	MANUAL USERS;VP-DC163,TAW,ARAB,-,MO	1	SA	VP-DC163I/UMG
	AD68-00993P	MANUAL USERS;VP-DC163,XEH,ENG/CZE/P	1	SA	VP-DC163/XEO
	AD68-00993R	MANUAL USERS;VP-DC163,XEF,ENG/GER/F	1	SA	VP-DC163/XEF
	AD68-00993S	MANUAL USERS;VP-DC163,CHN,CHN,-,MOJ	1	SA	VP-DC163I/CHN
	AD68-00993T	MANUAL USERS;VP-DC163,XSS,ENG/CHN,-	1	SA	VP-DC163I/SEA
	AD68-00993T	MANUAL USERS;VP-DC163,XSS,ENG/CHN,-	1	SA	VP-DC163I/XSH
	AD68-00993V	MANUAL USERS;VP-DC163,XST,THAI,-,MO	1	SA	VP-DC163I/XST
	AD68-00993W	MANUAL USERS;VP-DC163,AND,TUR,-,MOJ	1	SA	VP-DC163/AND
	AD68-00993X	MANUAL USERS;VP-DC163,KNT,TUR,-,MOJ	1	SA	VP-DC163/KNT
	AD68-00993Y	MANUAL USERS;VP-DC163,HAC,IRAN,-,MO	1	SA	VP-DC163I/HAC
	AD69-00797A	BAG CARRYING-CASE;DRAGON2-PJ,LEATHE	1	SA	
	AD69-00808H	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	
	AD72-00049A	BAND-STRING HOOD;DELTA-PJ,NYLON,1,2	1	SA	
	6801-001016	CARD-REGISTRATION;XEF,SEF,FRENCH,MO	1	SA	
	AD39-00073D	CBF CABLE-USB 2.0;-,miniket,5P,1.5M	1	SA	
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	
	AD39-00119A	CBF CABLE-MULTI CABLE;A9108642,VP-D	1	SA	
	AD61-02392A	HOLDER-DIRECTION;RAINBOW1(33X),PC+A	1	SA	
	AD64-01483A	KNOB-DIRECTION;RAINBOW1(33X),PC+ABS	1	SA	
	AD69-00807A	CUSHION-DIRECTION;RAINBOW1,EPS,T5,W	1	SA	
112	MD63-00072A	GASKET;DTB-9405F,-,4mm,7mm,10mm?0.5	1	SA	
112	AD63-00965A	GASKET-HOUSING;RAINBOW1,-,T2.1,W5,L	1	SA	
397	AD61-02550A	BRACKET-FUCTION GROUND;RAINBOW1(33X	1	SA	
C056	AD97-10990A	ASSY-CAP HOOD;ASSY,RAINBOW1(33X),0.	1	SA	
C594	AD61-02357A	PLATE-CCD;DRAGON2-PJ,AL,T1,W21,L25,	1	SA	
C606	AD64-01488A	BUTTON-DISPLAY;RAINBOW1(33X),PC+ABS	1	SA	
C607	0605-001086	CCD;COLOR,DIP,14P,8.2x8.2x2.4mm,68	1	SA	
C690	AD66-00358A	SHAFT-DOOR MS;GAMMA3-PJ,SUS301,L32,	1	SA	
C866	AD69-00420A	PAD-SPEAKER;DELTA-PJ,PORON,-,-,-,-,	1	SA	
CE02	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CNM01	3708-001147	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
FL612	3809-001777	FFC CABLE-FLAT;30V,80,60mm,14P,0.5m	1	SA	
JM01	3722-001435	JACK-PHONE;4P,3.6PI,AG,RED,-	1	SA	
L064	AD41-00796A	FPC-CVF;RAINBOW1-PJ,0,POLYAMID,18,6	1	SA	
LDE01	0601-001006	LED;SMD,Y-GRN,1.3X2.9MM,570NM,2.4X	1	SA	
LDM02	0601-001896	LED;SMD,BLUE,1.6x0.8x0.4mm,470,1.6	1	SA	
LDM03	0601-001896	LED;SMD,BLUE,1.6x0.8x0.4mm,470,1.6	1	SA	
P281	AD97-10967A	ASSY PCB-EJECT FPC;RAINBOW1-PJ,ASSY	1	SA	
P282	AD97-10966A	ASSY PCB-POWER FPC;RAINBOW1-PJ,ASSY	1	SA	
RE01	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	SA	
RE02	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
RE03	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
RE04	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
SWE01	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWE02	3409-001191	SWITCH-DETECTOR;5V,1mA,-,0.35gf,ON-	1	SA	
SWM01	3409-001183	SWITCH-DETECTOR;3V,0.1A,SPST,500gf,	1	SA	
SWM02	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWM03	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
W111	6001-000805	SCREW-MACHINE;CH,+,-,M1.7,L3,NI PLT	11	SA	
W111	6001-000805	SCREW-MACHINE;CH,+,-,M1.7,L3,NI PLT	2	SA	
W113	6002-001085	SCREW-TAPPING;CH,+,2,M1.7,L5,ZPC(BL	1	SA	
W113	6002-001085	SCREW-TAPPING;CH,+,2,M1.7,L5,ZPC(BL	4	SA	
W116	6001-001527	SCREW-MACHINE;CH(0.3),+,M1.7,L2.0,N	1	SA	
W116	6001-001527	SCREW-MACHINE;CH(0.3),+,M1.7,L2.0,N	3	SA	
W118	6003-001291	SCREW-TAPTITE;CH,+,B,M1.4,L3.0,ZPC(	1	SA	
W118	6003-001291	SCREW-TAPTITE;CH,+,B,M1.4,L3.0,ZPC(	2	SA	
W119	6001-001444	SCREW-MACHINE;PH,+,M1.7,L2.0,ZPC(BL	2	SA	
W124	6001-001526	SCREW-MACHINE;CH(0.3),+,M1.7,L3.0,N	2	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	4	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	4	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	7	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	9	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	3	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	2	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	3	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	2	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	1	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	1	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	4	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	3	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	6	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	5	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	3	SA	
W129	6001-001719	SCREW-MACHINE;CH,+,M1.7,L4,NI PLT	1	SA	
W206	6001-001373	SCREW-MACHINE;PH,T0.5,+,-,M1.7,L3.0	2	SA	
W223	6001-001659	SCREW-MACHINE;CH,+,M1.7,L2.5,NI PLT	2	SA	
W224	6001-000877	SCREW-MACHINE;CH,+,M1.7,L3,ZPC(BLK)	2	SA	
W226	6003-001148	SCREW-TAPTITE;PH,+,B,M1.7,L6,ZPC(BL	3	SA	
W241	6001-001291	SCREW-MACHINE;CH(0.5),*,-,M1.7,L4,Z	13	SA	
W241	6001-001291	SCREW-MACHINE;CH(0.5),*,-,M1.7,L4,Z	1	SA	
W278	6003-001166	SCREW-TAPTITE;CH,+,B,M1.4,L4,NI PLT	3	SA	
W298	6003-001508	SCREW-TAPTITE;PH,+,B,M1.4,L3,NI PLT	3	SA	
W298	6003-001508	SCREW-TAPTITE;PH,+,B,M1.4,L3,NI PLT	1	SA	

6-3 VP-DC165W(I) Parts List

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
P001	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/CDM
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEE
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEG
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEO
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XET
	AD92-00036D	ASSY PCB-MAIN BOARD;VP-DC165W/XEU,R	1	SA	VP-DC165W/XEU
	AD92-00036L	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC165WI/XEV
	AD92-00036L	ASSY PCB-MAIN BOARD;RAINBOW-PJ,VP-D	1	SA	VP-DC165WI/XSH
	AD92-00036F	ASSY PCB-MAIN BOARD;VP-DC165WI/CHN,	1	SA	VP-DC165WI/CHN
BD101	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD102	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD103	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD104	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BD105	3301-001710	BEAD-SMD;-,1.6x0.8mm,-,TP,-,-,-	1	SA	
BM05	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
BM07	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM08	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM09	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
BM10	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
C101	2404-001269	C-TA,CHIP;10uF,20%,20V,-,TP,3528	1	SA	
C104	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C105	2203-000940	C-CER,CHIP;0.47nF,10%,50V,X7R,1005	1	SA	
C106	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C107	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C108	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C109	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,100	1	SA	
C110	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C111	2203-000585	C-CER,CHIP;0.22nF,10%,50V,X7R,1005	1	SA	
C112	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C113	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C114	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C115	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C116	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C117	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C118	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	
C119	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C120	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C121	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C123	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C124	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C125	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528	1	SA	
C127	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C133	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C134	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C135	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C136	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
C137	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C139	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C140	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C141	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C142	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C143	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C145	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C146	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C147	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C149	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C150	2203-005921	C-CER,CHIP;10000NF,20%,4V,X5R,TP,20	1	SA	
C151	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C153	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C154	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C155	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C156	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C158	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C159	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C160	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
C161	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C163	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C164	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C165	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C171	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C172	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C174	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C175	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C177	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C180	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
C181	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216	1	SA	
C182	2404-000157	C-TA,CHIP;1uF,20%,35V,-,TP,3216	1	SA	
C184	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C185	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C186	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C190	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C191	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C192	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C196	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C201	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC165WI/XEV
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC165WI/XSH
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC165WI/CHN
C202	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC165WI/XEV
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC165WI/XSH
	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	VP-DC165WI/CHN
C221	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C222	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C223	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C224	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C225	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C226	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C227	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C228	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C229	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C230	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C231	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C232	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C233	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C234	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
C235	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC165WI/XEV
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC165WI/XSH
	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	VP-DC165WI/CHN
C236	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C237	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C238	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XEV
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/XSH
	2203-005344	C-CER,CHIP;22nF,10%,25V,X7R,TP,1005	1	SA	VP-DC165WI/CHN
C239	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C240	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XEV
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/XSH
	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	VP-DC165WI/CHN
C241	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C242	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C250	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
C252	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
C254	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
C301	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C302	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C303	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C304	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C305	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C308	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C309	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C311	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C312	2404-001251	C-TA,CHIP;22UF,20%,7V,-,TP,3216	1	SA	
C313	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C314	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C315	2404-001257	C-TA,CHIP;1UF,20%,16V,-,TP,2012	1	SA	
C316	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C317	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C318	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C321	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C322	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C323	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C324	2404-001257	C-TA,CHIP;1UF,20%,16V,-,TP,2012	1	SA	
C325	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C326	2404-001244	C-TA,CHIP;4.7uF,20%,6.3V,-,TP,2012	1	SA	
C327	2203-005887	C-CER,CHIP;680NF,+80-20%,10V,Y5V,TP	1	SA	
C328	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C329	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C330	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C331	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C332	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C333	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C334	2404-001285	C-TA,CHIP;4.7UF,20%,10V,WT,TP,2012	1	SA	
C335	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C336	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C401	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C402	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C403	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C404	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C405	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C406	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C407	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C408	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
C413	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C414	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C415	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C416	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C417	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C418	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C419	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	

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C420	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C421	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C422	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C423	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C424	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C425	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C426	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C427	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C428	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C429	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C430	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C431	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C432	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C433	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C438	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C439	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C440	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C441	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C501	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C502	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C503	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C515	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C519	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C521	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C522	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C524	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C525	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C526	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C527	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C529	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C532	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C533	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C534	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C535	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C537	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C538	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C539	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C540	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C541	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C542	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C543	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C544	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C545	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C546	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C548	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C549	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C550	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C551	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C553	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C554	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C555	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C556	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C559	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C561	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C565	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C567	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C570	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C571	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C572	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C601	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C602	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C603	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C605	2203-005993	C-CER,CHIP;68NF,10%,16V,X7R,TP,1005	1	SA	
C606	2203-002487	C-CER,CHIP;4.7nF,10%,25V,X7R,1005	1	SA	
C607	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C608	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C609	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C610	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	

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C611	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C612	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C613	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C614	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C615	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C616	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C617	2203-000234	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1005	1	SA	
C618	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C619	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C620	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C621	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C622	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C623	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C624	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C625	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C626	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C627	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C628	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C629	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C630	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C631	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C632	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
C633	2203-005686	C-CER,CHIP;2200nF,20%,10V,X5R,TP,20	1	SA	
C705	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C707	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	
C708	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
C709	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C710	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
C712	2203-005061	C-CER,CHIP;100nF,+80-20%,16V,Y5V,10	1	SA	
C713	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C714	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C715	2203-006006	C-CER,CHIP;0.005NF,?0.25PF,50V,C0G,	1	SA	
C716	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
C720	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C721	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C722	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C723	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C724	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C725	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
C726	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
C730	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
C898	AD69-00814A	PAD-HEAT MAIN;RAINBOW1,PAD,T1,W13,L	1	SNA	
CA17	2203-005922	C-CER,CHIP;4700NF,20%,6.3V,X5R,TP,2	1	SA	
CA31	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA33	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA34	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA35	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CA37	2203-005061	C-CER,CHIP;100nF,+80-20%,16V,Y5V,10	1	SA	
CM01	2203-001221	C-CER,CHIP;0.82NF,10%,50V,X7R,TP,10	1	SA	
CM02	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CM03	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
CM04	2203-000278	C-CER,CHIP;0.01nF,0.5pF,50V,C0G,100	1	SA	
CM06	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM07	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CM103	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM11	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM12	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM14	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CM15	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM16	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM17	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM18	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM19	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM20	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM201	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM202	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM203	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM204	2203-000330	C-CER,CHIP;0.012nF,5%,50V,C0G,1005	1	SA	
CM21	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM24	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM27	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM28	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM29	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM30	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM31	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM32	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM34	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM35	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CM42	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM43	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM49	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM53	2404-001247	C-TA,CHIP;22UF,20%,4V,WT,TP,2012	1	SA	
CM54	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM61	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CM62	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CN101	3710-001498	SOCKET-BOARD TO BOARD;50P,2R,0.5mm,	1	SA	
CN301	3708-001111	CONNECTOR-FPC/FFC/PIC;14P,0.5mm,SMD	1	SA	
CN405	3710-001498	SOCKET-BOARD TO BOARD;50P,2R,0.5mm,	1	SA	
CN601	3708-001711	CONNECTOR-FPC/FFC/PIC;51P,0.3mm,SMD	1	SA	
CN704	3711-005479	HEADER-BOARD TO BOARD;BOX,22P,2R,0.	1	SA	
CN705	3708-000382	CONNECTOR-FPC/FFC/PIC;16P,0.5MM,SMD	1	SA	
CN706	3708-001842	CONNECTOR-FPC/FFC/PIC;7P,0.5MM,SMD-	1	SA	
CNDR1	3710-002334	SOCKET-BOARD TO BOARD;40P,2R,0.5mm,	1	SA	
CNM01	3708-001071	CONNECTOR-FPC/FFC/PIC;22P,0.5MM,SMD	1	SA	
CP01	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
CP02	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528	1	SA	
CP03	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP04	2404-001160	C-TA,CHIP;3.3uF,20%,35V,GP,TP,3528	1	SA	
CP06	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CP07	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP09	2203-006320	C-CER,CHIP;2200nF,10%,16V,X7R,TP,20	1	SA	
CP11	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
CP12	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP13	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP14	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP15	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP16	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP17	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP18	2203-000815	C-CER,CHIP;0.033nF,5%,50V,C0G,1608	1	SA	
CP19	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP20	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP21	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP22	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP23	2203-005923	C-CER,CHIP;1000NF,20%,6.3V,X5R,TP,1	1	SA	
CP24	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CP26	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP27	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP28	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP29	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP30	2404-001246	C-TA,CHIP;10uF,20%,6.3V,WT,TP,2012	1	SA	
CP301	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CP302	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP303	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,1	1	SA	
CP304	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
CP306	2203-000438	C-CER,CHIP;1nF,10%,50V,X7R,1005	1	SA	
CP307	2203-001432	C-CER,CHIP;47nF,+80-20%,16V,Y5V,100	1	SA	
CP41	2203-006048	C-CER,CHIP;100nF,10%,10V,X7R,1005	1	SA	
CP42	2203-000714	C-CER,CHIP;3.3nF,10%,50V,X7R,TP,100	1	SA	
CP48	2203-006047	C-CER,CHIP;33NF,10%,16V,X7R,TP,1005	1	SA	
CP50	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
D101	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D201	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D202	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
D203	0401-001059	DIODE-SWITCHING;1SS362,80V,80MA,SC-	1	SA	
DP01	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
F101	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
F102	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
F104	3601-001331	FUSE-SURFACE MOUNT;32V,1.25A,SLOW B	1	SA	
FL612	3809-001777	FFC CABLE-FLAT;30V,80,60mm,14P,0.5m	1	SA	
IC101	1203-003567	IC-PWM CONTROLLER;BD9833KV,VQFP,48P	1	SA	
IC202	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC165WI/XEV
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC165WI/XSH
	1204-002318	IC-VIDEO DECODER;SAA7117HN,HVQFN,10	1	SA	VP-DC165WI/CHN
IC203	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC165WI/XEV
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC165WI/XSH
	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	VP-DC165WI/CHN
IC204	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC165WI/XEV
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC165WI/XSH
	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	VP-DC165WI/CHN
IC301	1205-002715	IC-CODEC;BU7807-01KV,VQFP,48P,7x7mm	1	SA	
IC401	1204-002516	IC-ENCODER;MS2199-CAZ,TAPP,252P,13x	1	SA	
IC402	1105-001336	IC-DRAM;-,-,-,4x512Kx32Bit,TSOP,86P	1	SA	
IC501	1204-002517	IC-DECODER;MS8202-CAZ,TAPP,252P,13x	1	SA	
IC502	1105-001542	IC-DRAM;K4M563233D-EE80T00,-,-,4x2M	1	SA	
IC503	1107-001603	IC-FLASH MEMORY;S29JL032H,32Mbit,4M	1	SNA	
IC504	1103-001218	IC-EEPROM;524AB0X91,4Kx8,SOP,8P,5.1	1	SA	
IC601	1003-001806	IC-LCD DRIVER;S5D4100X,FBGA,88P,7x7	1	SA	
IC602	1003-001874	IC-LCD DRIVER;KCD-A200-QA,LQFP,48P,	1	SA	
IC604	1203-002201	IC-POSI.FIXED REG.;TK71733,SOT23-5,	1	SA	
IC701	AD09-00280A	IC MICOM;TMP91FY42A,RAINBOW1,100,3.	1	SA	
IC703	1203-002807	IC-POSI.FIXED REG.;XC6413FY01MR,SOT	1	SA	
IC705	0801-002417	IC-CMOS LOGIC;7SHU04,INVERTER,SSOP,	1	SA	
ICA02	1105-001605	IC-DRAM;K4S283233F,4x1Mx32Bit,FBGA,	1	SA	
ICA03	1107-001365	IC-FLASH MEMORY;29LV160BE,1Mx16/2Mx	1	SNA	
ICM01	AD13-00039A	IC ASIC-DSP;S5C7377,DRAGON2-PJ,337,	1	SNA	
ICM02	0801-002799	IC-BICMOS LOGIC;74LVTH244,BUFFER/DR	1	SA	
ICM03	0801-003019	IC-CMOS LOGIC;7SV125,BUFFER,SC-70,5	1	SA	
ICM04	1103-001218	IC-EEPROM;524AB0X91,4Kx8,SOP,8P,5.1	1	SA	
ICP01	1003-001065	IC-CLOCK DRIVER;KS7221D,SOP,20P,225	1	SA	
ICP02	1002-001449	IC-A/D CONVERTER;VSP2582RHN,12,QFP,	1	SA	
ICP03	1003-001919	IC-MOTOR DRIVER;uPD168103AK,WQFN,48	1	SA	
ICP04	1201-002101	IC-OP AMP;KIA358AFK,US,TP,8P,2x2.3m	1	SA	
ICP05	1201-002101	IC-OP AMP;KIA358AFK,US,TP,8P,2x2.3m	1	SA	
L104	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L106	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L108	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L110	2703-001872	INDUCTOR-SMD;22uH,20%,6060	1	SA	
L112	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L113	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L114	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L117	2703-001872	INDUCTOR-SMD;22uH,20%,6060	1	SA	
L119	2703-002569	INDUCTOR-SMD;22UH,20%,4040	1	SA	
L121	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L122	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L123	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L125	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
L126	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L128	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L129	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L130	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L133	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L135	2703-000397	INDUCTOR-SMD;33uH,10%,2520	1	SA	
L136	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L137	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L138	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L139	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L203	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L204	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC165WI/XEV
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC165WI/XSH
	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	VP-DC165WI/CHN
L301	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L302	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
L303	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L304	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L402	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L405	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L505	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
L507	2703-001867	INDUCTOR-SMD;1uH,20%,2520	1	SA	
L511	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
L601	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L602	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L603	2703-001863	INDUCTOR-SMD;6.8uH,20%,2520	1	SA	
L701	2703-002174	INDUCTOR-SMD;10uH,10%,2520	1	SA	
L702	2703-000371	INDUCTOR-SMD;4.7uH,5%,2520	1	SA	
L703	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
L704	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
L705	2703-002428	INDUCTOR-SMD;1uH,25%,2012	1	SA	
LP01	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
LP02	2703-002724	INDUCTOR-SMD;10UH,10%,2012	1	SA	
LP03	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
LP04	2703-002723	INDUCTOR-SMD;22UH,10%,2012	1	SA	
LP05	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
Q101	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q102	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q103	0505-001646	FET/SBD;MCH5803,N,30V,1.4A,370MOHM,	1	SA	
Q104	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q105	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q106	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q107	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q108	0505-001725	FET-SILICON;MCH5818,P,-12V,-1.5A,20	1	SA	
Q109	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q110	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q111	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q112	0506-001066	TR-ARRAY;UMF5,NPN/PNP,2,150mW,SC-88	1	SA	
Q113	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q115	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q119	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q120	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q130	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q131	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
Q132	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q133	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,P	1	SA	
Q134	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q135	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q136	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q137	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q301	0504-001101	TR-DIGITAL;EMD2,NPN/PNP,150MW,22K/2	1	SA	
Q302	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
Q303	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
Q702	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q703	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q704	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q705	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q706	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q707	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
Q710	0504-000168	TR-DIGITAL;RN1104,NPN,100mW,47K/47K	1	SA	
Q711	0502-001266	TR-POWER;KTA1532T,PNP,900mW,TSM,TP,	1	SA	
Q712	0501-000552	TR-SMALL SIGNAL;2SA1774-Q,PNP,150mW	1	SA	
Q713	0501-002373	TR-SMALL SIGNAL;EMX2,NPN,150MW,EMT6	1	SA	
QP01	0501-000225	TR-SMALL SIGNAL;2SC4617,NPN,200mW,E	1	SA	
QP05	0504-001025	TR-DIGITAL;DTC143EE,NPN,150MW,4.7K,	1	SA	
R101	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R102	2007-007107	R-CHIP;100Kohm,1%,1/16W,TP,1005	1	SA	
R103	2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
R105	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R106	2007-007946	R-CHIP;470Kohm,1%,1/16W,TP,1005	1	SA	
R107	2007-007946	R-CHIP;470Kohm,1%,1/16W,TP,1005	1	SA	
R108	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SA	
R109	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R1100	2007-007470	R-CHIP;7.5Kohm,1%,1/16W,DA,TP,1005	1	SA	
R116	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R117	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R118	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R119	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R120	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R121	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R122	2007-008391	R-CHIP;6.34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R123	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R124	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	SA	
R125	2007-007132	R-CHIP;15Kohm,1%,1/16W,TP,1005	1	SA	
R126	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R127	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R128	2007-008037	R-CHIP;57.6Kohm,1%,1/16W,DA,TP,1005	1	SA	
R129	2007-008391	R-CHIP;6.34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R130	2007-007318	R-CHIP;1Kohm,1%,1/16W,TP,1005	1	SA	
R131	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R132	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R133	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R134	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R135	2007-008275	R-CHIP;30Kohm,1%,1/16W,TP,1005	1	SA	
R140	2007-007134	R-CHIP;39Kohm,1%,1/16W,TP,1005	1	SA	
R141	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R146	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R147	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R148	2007-000152	R-CHIP;20Kohm,5%,1/16W,TP,1005	1	SA	
R149	2007-008417	R-CHIP;34KOHM,1%,1/16W,DA,TP,1005	1	SA	
R150	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R151	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R152	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R153	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R154	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R155	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
R156	2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
R157	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R160	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
R161	2007-007309	R-CHIP;12Kohm,1%,1/16W,TP,1005	1	SA	
R165	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R166	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R167	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R173	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R174	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R175	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R176	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R177	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R178	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R179	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
R180	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R182	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R183	2007-000161	R-CHIP;82KOHM,5%,1/16W,TP,1005	1	SA	
R190	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R199	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R201	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XEV
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XSH
	2007-000170	R-CHIP;1Mohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/CHN
R209	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XEV
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XSH
	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/CHN
R210	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XEV
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XSH
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/CHN
R211	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XEV
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XSH
	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/CHN
R217	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XEV
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XSH
	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/CHN
R219	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XEV
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XSH
	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/CHN
R250	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R254	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R258	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R262	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XEV
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/XSH
	2007-003112	R-CHIP;27ohm,5%,1/16W,TP,1005	1	SA	VP-DC165WI/CHN
R263	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R264	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R265	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R266	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R301	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R302	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R303	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R304	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R305	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R306	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R311	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R312	2007-000831	R-CHIP;39Kohm,5%,1/16W,TP,1005	1	SA	
R315	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R316	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R317	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R318	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R319	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R320	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R321	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R322	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R324	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
R325	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R326	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R328	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R329	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R330	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R331	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R333	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R334	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R335	2007-000566	R-CHIP;220Kohm,5%,1/16W,TP,1005	1	SA	
R336	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R337	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R338	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R339	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R340	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R341	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R342	2007-007588	R-CHIP;1.8KOHM,1%,1/16W,TP,1005	1	SA	
R343	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R401	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R402	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R403	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R404	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R405	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R406	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R407	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R408	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R409	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R410	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R411	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R412	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R413	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R414	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R415	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R416	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R417	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R418	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R419	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
R420	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R421	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R422	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R425	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R429	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R430	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R433	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R434	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R435	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R436	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R437	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R480	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R481	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R511	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R512	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R513	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R516	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R517	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R518	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R519	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R520	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R521	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R522	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R523	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R524	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R526	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R527	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R528	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R529	2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	1	SA	
R530	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R531	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R532	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R533	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R534	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R535	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R536	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R537	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R538	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R539	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R540	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R541	2007-000242	R-CHIP;1.5KOHM,5%,1/16W,TP,1005	1	SA	
R543	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R544	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R545	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R546	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R547	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R548	2007-007306	R-CHIP;100ohm,1%,1/16W,TP,1005	1	SA	
R549	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R550	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R551	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R552	2007-008015	R-CHIP;75ohm,1%,1/16W,TP,1005	1	SA	
R554	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R555	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,TP,1005	1	SA	
R556	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R559	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,TP,1005	1	SA	
R562	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R571	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R572	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R573	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R574	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R576	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R580	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R581	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R582	2007-000173	R-CHIP;22ohm,5%,1/16W,TP,1005	1	SA	
R603	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
R604	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R605	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R606	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R607	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R608	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R609	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R610	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R611	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R612	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R613	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R614	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
R615	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R616	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R617	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R618	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R619	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R620	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R621	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R622	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R623	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R624	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R625	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R626	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R627	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R628	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R629	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R630	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R631	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R632	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R6390	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R701	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R702	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R703	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R704	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R705	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R706	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R707	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7104	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7105	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R711	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7116	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R712	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7139	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7140	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7151	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7157	2007-000160	R-CHIP;68Kohm,5%,1/16W,TP,1005	1	SA	
R717	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R718	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7180	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
R7181	2007-007001	R-CHIP;3.9KOHM,5%,1/16W,TP,1005	1	SA	
R7182	2007-001319	R-CHIP;1.2KOHM,5%,1/16W,TP,1005	1	SA	
R7183	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R7184	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7185	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7187	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R719	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R720	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7200	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R721	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R731	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R732	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
R733	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R734	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R735	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R736	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R738	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R739	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R740	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R741	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R743	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R750	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7507	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7510	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7519	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R752	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7530	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7534	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R754	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R755	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R756	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R757	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7594	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7603	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7657	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7668	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7696	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R7697	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7700	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7701	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7702	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7703	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7704	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R7707	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R7708	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R7709	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
R7710	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R780	2007-000142	R-CHIP;2.7KOHM,5%,1/16W,TP,1005	1	SA	
R781	2007-007312	R-CHIP;20Kohm,1%,1/16W,TP,1005	1	SA	
R782	2007-007310	R-CHIP;8.2KOHM,1%,1/16W,TP,1005	1	SA	
R783	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R784	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R785	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R786	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
R787	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
R789	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
R790	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
R791	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RA50	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RA51	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RA52	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RA53	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RA561	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA570	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA579	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA581	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA589	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA96	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA97	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RA98	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RBD01	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RBD02	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM01	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	1	SA	
RM02	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM03	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM04	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM06	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM09	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM10	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RM100	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM101	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM11	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RM12	2007-001292	R-CHIP;33ohm,5%,1/16W,TP,1005	1	SA	
RM120	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM121	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM126	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM127	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM128	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM129	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM21	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM22	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM25	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM26	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM27	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM28	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM288	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM29	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
RM30	2007-007313	R-CHIP;6.8Kohm,1%,1/16W,TP,1005	1	SA	
RM301	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM303	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM304	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM32	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM33	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM35	2007-000139	R-CHIP;220ohm,5%,1/16W,TP,1005	1	SA	
RM52	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM53	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM530	2007-000172	R-CHIP;10ohm,5%,1/16W,TP,1005	1	SA	
RM55	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM56	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM57	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM59	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM60	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM61	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM62	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM63	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RM64	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RM66	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM67	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM68	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM69	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RM70	2007-000138	R-CHIP;100ohm,5%,1/16W,TP,1005	1	SA	
RM703	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM704	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM705	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM706	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM707	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM708	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM709	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM710	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM711	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM712	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM713	3301-001808	BEAD-SMD;120ohm,1005,TP,530ohm/390M	1	SA	
RM90	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP01	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA	
RP05	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP06	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP07	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP08	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
RP10	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP11	2007-000164	R-CHIP;150KOHM,5%,1/16W,TP,1005	1	SA	
RP12	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RP153	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP202	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP301	2007-007001	R-CHIP;3.9KOHM,5%,1/16W,TP,1005	1	SA	
RP302	2007-001313	R-CHIP;330ohm,5%,1/16W,TP,1005	1	SA	
RP304	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP305	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP306	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP307	2007-000148	R-CHIP;10Kohm,5%,1/16W,TP,1005	1	SA	
RP308	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,TP,1005	1	SA	
RP309	2007-000162	R-CHIP;100Kohm,5%,1/16W,TP,1005	1	SA	
RP310	2007-000153	R-CHIP;22Kohm,5%,1/16W,TP,1005	1	SA	
RP311	2007-000142	R-CHIP;2.7KOHM,5%,1/16W,TP,1005	1	SA	
RP312	2007-000636	R-CHIP;270KOHM,5%,1/16W,TP,1005	1	SA	
RP313	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP314	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,TP,1005	1	SA	
RP316	2007-000156	R-CHIP;30Kohm,5%,1/16W,TP,1005	1	SA	
RP317	2007-000157	R-CHIP;47Kohm,5%,1/16W,TP,1005	1	SA	
RP318	2007-000775	R-CHIP;33KOHM,5%,1/16W,TP,1005	1	SA	
RP39	2007-001307	R-CHIP;180ohm,5%,1/16W,TP,1005	1	SA	
RP40	2007-001307	R-CHIP;180ohm,5%,1/16W,TP,1005	1	SA	
RP41	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SA	
RP42	2007-000159	R-CHIP;56Kohm,5%,1/16W,TP,1005	1	SA	
RP50	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP504	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
RP51	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP52	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP53	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
RP601	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
RP602	2007-007142	R-CHIP;10Kohm,1%,1/16W,TP,1005	1	SA	
RP80	2007-007138	R-CHIP;27Kohm,1%,1/16W,TP,1005	1	SA	
RPB54	2007-000140	R-CHIP;1Kohm,5%,1/16W,TP,1005	1	SA	
RX01	2007-000171	R-CHIP;0ohm,5%,1/16W,TP,1005	1	SA	
W223	6001-001659	SCREW-MACHINE;CH,+,M1.7,L2.5,NI PLT	2	SA	
X201	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC165WI/XEV
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC165WI/XSH
	2801-003703	CRYSTAL-SMD;24.576MHz,50ppm,28-ACI,	1	SA	VP-DC165WI/CHN
X701	2801-004479	CRYSTAL-SMD;16.0MHz,10ppm,SX-6,18pF	1	SA	
X702	2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-AC	1	SA	
XM01	2804-001309	OSCILLATOR-CLOCK;54MHZ,20PPM,10TTL	1	SA	
XM02	2801-003827	CRYSTAL-SMD;48MHZ,30PPM,28-ACI,7PF,	1	SA	
P003	**AD97-10598A**	**ASSY PCB-LEFT BOARD;RAINBOW-PJ,SC-D**	**1**	**SA**	
CLF01	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF02	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF03	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF04	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF05	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF20	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CLF22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CLM01	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CLM02	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,1608	1	SA	
CNLF01	3708-001711	CONNECTOR-FPC/FFC/PIC;51P,0.3mm,SMD	1	SA	
CNLF02	3708-001396	CONNECTOR-FPC/FFC/PIC;22P,0.5MM,SMD	1	SA	
CNLF04	3711-000541	HEADER-BOARD TO CABLE;BOX,2P,1R,1.2	1	SA	
CNLF05	3708-001022	CONNECTOR-FPC/FFC/PIC;18P,0.5MM,SMD	1	SA	
CNLF06	3708-001603	CONNECTOR-FPC/FFC/PIC;24P,0.5MM,SMD	1	SA	
LLED01	0601-001006	LED;SMD,Y-GRN,1.3X2.9MM,570NM,2.4X	1	SA	
LLF12	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
LLM01	2703-002430	INDUCTOR-SMD;4.7uH,25%,2012	1	SA	
MSLOT	3709-001309	CONNECTOR-CARD EDGE;9/10P,2.5mm/1.5	1	SA	
RLF02	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RLF03	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RLF04	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RLF05	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RLF06	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RLF07	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RLF08	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RLF09	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RLF23	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLF24	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLF25	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RLM01	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RLM02	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM03	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM04	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM05	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM06	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM07	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM08	2007-000402	R-CHIP;150ohm,5%,1/10W,TP,1608	1	SA	
RLM09	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RLM10	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM11	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
RLM12	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM13	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM14	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM15	2007-001010	R-CHIP;51Kohm,5%,1/10W,TP,1608	1	SA	
RLM18	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RLM23	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RLM24	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RLM26	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
SWLF01	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF02	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF03	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF04	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF05	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF06	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF07	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF08	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF09	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF10	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF11	3403-001154	SWITCH-PUSH;5V DC,1 mA,4,NON-LOCK,-	1	SA	
SWLF12	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWLF13	3409-001184	SWITCH-DETECTOR;1mA,DC 5V,SPST,50gf	1	SA	
P009	**AD97-10597A**	**ASSY PCB-REAR BOARD;RAINBOW-PJ,SC-D**	**1**	**SA**	
BACKUP	AD63-00075A	TERMINAL—LI BATT(-);M1-PJ,C5210R-H	1	SA	
BACKUP	AD65-00025A	TERMINAL-LITHUM PLATE +;THETA2-PJ,B	1	SA	
BTR1	AD65-00023A	TERMINAL-PLATE +;THETA2-PJ,BE-CU,-,	1	SA	
BTR2	AD65-00023A	TERMINAL-PLATE +;THETA2-PJ,BE-CU,-,	1	SA	
CNR01	3711-004283	CONNECTOR-HEADER;BOX,50P,2R,0.5MM,S	1	SA	
CNR02	3710-001478	SOCKET-BOARD TO BOARD;18P,2R,1MM,SM	1	SA	
CR01	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CR02	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CR03	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CR10	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
DR01	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523	1	SA	
DR02	0401-001110	DIODE-SWITCHING;-,80V,100MA,SOD-523	1	SA	
FER01	0505-001726	FET-SILICON;ECH8603,P,-20V,-4A,37MO	1	SA	
ICR01	1201-001376	IC-OP AMP;75W01,SSOP,8P,110MIL,DUAL	1	SA	
ICR02	0909-001013	IC-REAL TIME CLOCK;5C372,SOP,8P,-,3	1	SA	
JR01	AD97-08500A	ASSY-DC JACK;TC18-431-01,DELTA2-PJ,	1	SA	
MULR01	3722-002262	JACK-PIN;8P,AUF,BLK,ANGLE	1	SA	
QR01	0504-001102	TR-DIGITAL;EMD3,NPN/PNP,150MW,10K/1	1	SA	
QR02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K	1	SA	
QR03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K	1	SA	
QR04	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,P	1	SA	
QR05	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,P	1	SA	
RR01	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR02	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	1	SA	
RR03	2007-008596	R-CHIP;0.1ohm,1%,1/4W,TP,3216	1	SA	
RR04	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA	
RR05	2007-000067	R-CHIP;15Kohm,1%,1/10W,TP,1608	1	SA	
RR10	2007-000923	R-CHIP;470Kohm,1%,1/10W,TP,1608	1	SA	
RR11	2007-000563	R-CHIP;220Kohm,1%,1/10W,TP,1608	1	SA	
RR12	2007-001198	R-CHIP;820ohm,1%,1/8W,TP,2012	1	SA	
RR13	2007-001198	R-CHIP;820ohm,1%,1/8W,TP,2012	1	SA	
RR14	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR15	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR16	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR17	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	1	SA	
RR18	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
RR19	2007-000043	R-CHIP;1Kohm,1%,1/10W,TP,1608	1	SA	
SWR01	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWR02	3404-001171	SWITCH-TACT;12V DC,50MA,200GF,6.6X6	1	SA	
USBR01	3722-001741	JACK-MINI USB;5P/1C,AU30U,BLK,SMD-A	1	SA	
XR01	2801-003856	CRYSTAL-SMD;0.032768MHz,20ppm,28-AC	1	SA	
P004	***AD92-00039A***	***ASSY PCB-LCD BOARD;VP-DC165W/XEG,2.***	**1**	**SA**	
CL01	2203-000332	C-CER,CHIP;0.012nF,5%,50V,C0G,1608	1	SA	
CL02	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CL03	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CL04	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CL05	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CL06	2203-005774	C-CER,CHIP;1000nF,+80-20%,50V,Y5V,T	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
CL07	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL08	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL09	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL10	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL11	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL12	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL13	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL14	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL15	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CL16	2203-005619	C-CER,CHIP;4700nF,10%,16V,X5R,3216	1	SA	
CNL01	3708-001405	CONNECTOR-FPC/FFC/PIC;24P,0.5MM,SMD	1	SA	
CNL02	3708-002188	CONNECTOR-FPC/FFC/PIC;40,0.5mm,SMD-	1	SA	
CNL03	3708-001148	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
LL01	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	
LL02	2703-000396	INDUCTOR-SMD;10uH,10%,2520	1	SA	
RL01	2007-000346	R-CHIP;120ohm,5%,1/4W,TP,3216	1	SA	
P004A	**AD97-10599A**	**ASSY PCB-FUNCTION BOARD;RAINBOW-PJ,**	**1**	**SA**	
CF01	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,1608	1	SA	
CNF01	3708-001147	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
RF01	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
RF02	2007-000828	R-CHIP;39Kohm,1%,1/10W,TP,1608	1	SA	
RF03	2007-001206	R-CHIP;82Kohm,1%,1/10W,TP,1608	1	SA	
RF04	2007-000633	R-CHIP;270Kohm,1%,1/10W,TP,1608	1	SA	
RF05	2007-000651	R-CHIP;27Kohm,1%,1/10W,TP,1608	1	SA	
SWF01	3404-000119	SWITCH-TACT;12V,50mA,100gf,5.2x5.2x	1	SA	
SWF02	3404-001268	SWITCH-TACT;12V,50MA,130GF,7.5X7.5X	1	SA	
P005	**AD92-00031A**	**ASSY PCB-FRONT BOARD;SC-DC165,FRONT**	**1**	**SA**	
	AD99-40113S	ASSY PCB-FRONT BOARD,c;SC-DC165,FRO	1	SNA	
	0202-001221	SOLDER-CREAM;PF305-116HO(A),-,25~45	0.05	SNA	
	AD41-00805A	PCB-FRONT;RAINBOW1-PJ,FR-4,2LAYER(√,	1	SNA	
CFR01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216	1	SA	
CNFR01	3708-001075	CONNECTOR-FPC/FFC/PIC;14P,0.5MM,SMD	1	SA	
CNFR02	3711-005090	HEADER-BOARD TO CABLE;BOX,4P,1R,1MM	1	SA	
LEDF01	0601-001973	LED;SMD(TOP VIEW),WHT,6.5X6.0X5.5M	1	SA	
RFR01	2007-000660	R-CHIP;27ohm,5%,1/4W,TP,3216	1	SA	
RFR02	2007-000071	R-CHIP;22ohm,5%,1/10W,TP,1608	1	SA	
RFR03	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	1	SA	
RFR04	2007-000100	R-CHIP;68Kohm,5%,1/10W,TP,1608	1	SA	
P002	**AD97-10720A**	**ASSY PCB-CCD BOARD;RAINBOW-PJ,PAL,C**	**1**	**SNA**	
CC02	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC03	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC04	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,1608	1	SA	
CC05	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CNC01	3711-006038	HEADER-BOARD TO BOARD;BOX,40P,2R,0.	1	SA	
CNC02	3708-001671	CONNECTOR-FPC/FFC/PIC;23P,0.3MM,SMD	1	SA	
DC01	0401-001054	DIODE-SWITCHING;KDS160,80V,100MA,SO	1	SA	
QC01	0505-000180	FET-SILICON;2SK1070,N,-,50mA,-,150m	1	SA	
RC01	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	1	SA	
RC02	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	1	SA	
RC03	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	1	SA	
L052	**AD97-10942A**	**ASSY PCB-CVF BOARD;NT/PAL,RAINBOW2-**	**1**	**SNA**	
CC01	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216	1	SA	
CC02	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC03	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC04	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC05	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC06	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC07	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC08	2203-000560	C-CER,CHIP;220nF,+80-20%,25V,Y5V,TP	1	SA	
CC09	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216	1	SA	
CC10	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CC11	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216	1	SA	
CC12	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,16	1	SA	
CNC01	3708-001914	CONNECTOR-FPC/FFC/PIC;15P,0.5mm,SMD	1	SA	
CNC02	3708-002168	CONNECTOR-FPC/FFC/PIC;15P,0.5MM,SMD	1	SA	
LEDC01	AD07-00023A	B/L LED WHT;-,-,-,3*2*1.2,1.2,-,-,5	1	SA	
RC01	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	1	SA	
RC02	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	1	SA	
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	
C10	2203-000455	C-CER,CHIP;1nF,5%,50V,C0G,2012	1	SA	
C11	2301-001092	C-FILM,LEAD-PEF;100nF,20%,275V,BK,1	1	SA	
C12	2401-003302	C-AL;47uF,20%,400V,GP,TP,18X31.5,7.	1	SA	
C13	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	1	SA	
C14	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C15	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C16	2203-000716	C-CER,CHIP;3.3nF,10%,50V,X7R,2012	1	SA	
C30	2201-000828	C-CERAMIC,DISC;3.3NF,20%,400V,Y5U,T	1	SA	
C50	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	1	SA	
C51	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	1	SA	
C55	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	1	SA	
C57	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,2	1	SA	
C58	2203-000192	C-CER,CHIP;100nF,+80-20%,50V,Y5V,TP	1	SA	
C59	2203-000938	C-CER,CHIP;0.47nF,5%,50V,C0G,2012	1	SA	
C61	2203-000192	C-CER,CHIP;100nF,+80-20%,50V,Y5V,TP	1	SA	
C62	2401-000438	C-AL;10uF,20%,25V,GP,-,5x11,5	1	SA	
C63	2203-000455	C-CER,CHIP;1nF,5%,50V,C0G,2012	1	SA	
D10	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D11	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D12	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D13	0402-000137	DIODE-RECTIFIER;1N4007,1KV,1A,DO-41	1	SA	
D52	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3	1	SA	
D53	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
D54	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
D55	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3	1	SA	
F10	3601-000207	FUSE-CARTRIDGE;250V,1A,TIME-LAG,GLA	1	SA	
IC51	AC14-12001K	IC;KA324,-,-	1	SA	
J50	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
J53	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	1	SA	
LF10	AC27-32001F	COIL-LINE FILTER;BSF-2123,20MH,2OHM	1	SC	
PC10	0604-000119	PHOTO-COUPLER;TR,200-400%,200mW,DIL	1	SA	
Q52	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350mW	1	SA	
R00	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	1	SC	
R10	2007-000481	R-CHIP;1Mohm,5%,1/4W,TP,3216	1	SA	
R11	2007-000481	R-CHIP;1Mohm,5%,1/4W,TP,3216	1	SA	
R13	2003-000771	R-METAL OXIDE(S);68Kohm,5%,2W,AA,TP	1	SA	
R14	2007-000598	R-CHIP;22ohm,5%,1/4W,TP,3216	1	SA	
R15	2007-000768	R-CHIP;330ohm,5%,1/4W,TP,3216	1	SA	
R16	2007-000768	R-CHIP;330ohm,5%,1/4W,TP,3216	1	SA	
R17	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R18	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R19	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R20	2007-001212	R-CHIP;82Kohm,5%,1/4W,TP,3216	1	SA	
R21	2001-000374	R-CARBON;15OHM,5%,1/4W,AA,TP,2.4X6.	1	SA	
R30	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X	1	SA	
R30	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,-	1	SA	
R30A	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,-	1	SA	
R50	2007-000472	R-CHIP;1Kohm,5%,1/4W,TP,3216	1	SA	
R51	2007-000472	R-CHIP;1Kohm,5%,1/4W,TP,3216	1	SA	
R53	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R54	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R55	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	1	SA	
R57	2007-000938	R-CHIP;47Kohm,1%,1/8W,TP,2012	1	SA	

Loc.No	Part No	Description ; Specification	Q'ty	S.N.A	Remark
R58	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R59	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R60	2007-000771	R-CHIP;33Kohm,1%,1/8W,TP,2012	1	SA	
R61	2007-000395	R-CHIP;150Kohm,5%,1/8W,TP,2012	1	SA	
R62	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	1	SA	
R63	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	1	SA	
R64	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R65	2007-000868	R-CHIP;4.7Kohm,1%,1/8W,TP,2012	1	SA	
R66	2007-000406	R-CHIP;15Kohm,1%,1/8W,TP,2012	1	SA	
R68	2007-000572	R-CHIP;220ohm,5%,1/8W,TP,2012	1	SA	
R70	2007-000546	R-CHIP;20Kohm,5%,1/8W,TP,2012	1	SA	
R71	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	1	SA	
R72	2007-000582	R-CHIP;22Kohm,1%,1/8W,TP,2012	1	SA	
R74	2007-001205	R-CHIP;82Kohm,1%,1/8W,TP,2012	1	SA	
R76	2005-000102	R-WIRE WOUND;0.1ohm,1%,1W,AA,TP,4.5	1	SA	
R77	2007-000068	R-CHIP;470Kohm,5%,1/8W,TP,2012	1	SA	
R79	2007-001067	R-CHIP;6.8Kohm,1%,1/8W,TP,2012	1	SA	
R80	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	1	SC	
VR50	2101-001049	VR-ROTARY;500ohm,0%,-,-	1	SA	
	AD59-00148A	REMOCON;BRM-D3,S J WINTECH,13.5*110	1	SA	
C045	AD61-00628A	HOLDER-BATTERY;BRM-D2,BRM-E1,WL-85,	1	SA	
CT02	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	1	SA	
CT03	2203-000239	C-CER,CHIP;0.1nF,5%,50V,C0G,2012	1	SA	
CT04	2203-000199	C-CER,CHIP;100nF,+80-20%,50V,Z5U,TP	1	SA	
LDT01	0601-000519	LED-IR;ROUND,5mm,170mW,4V,940nm,TP	1	SA	
RT01	2007-000483	R-CHIP;1OHM,5%,1/8W,TP,2012	1	SA	
	AD69-00808L	PACKING CASE;RAINBOW1-PJ,SC240 K200	1	SA	
	AD39-00073D	CBF CABLE-USB 2.0;-,miniket,5P,1.5M	1	SA	
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	
	AD39-00119A	CBF CABLE-MULTI CABLE;A9108642,VP-D	1	SA	
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	
	AD46-00061A	SOFTWARE PACK;Video Studio,DVC,7.0,	1	SA	
	AD46-00082A	SOFTWARE PACK-DVC MEDIA PRO;DVC MED	1	SA	
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	
	AD72-00049A	BAND-STRING HOOD;DELTA-PJ,NYLON,1,2	1	SA	
1	AD43-10130H	BATTERY-LITHUM;LI-ION,CR2025,LITHIU	1	SA	
2	AD43-10130H	BATTERY-LITHUM;LI-ION,CR2025,LITHIU	1	SA	
	AD44-00088A	ADAPTOR-AC POWER;AA-E8/CHN,AA-E8,10	1	SA	VP-DC165WI/CHN
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165WI/XSH
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165WI/XEV
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165W/XET
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165W/XEE
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165W/XEO
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165W/CDM
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165W/XEG
	AD44-00090A	ADAPTOR-AC POWER;AA-E8/EXP,AA-E8,10	1	SA	VP-DC165W/XEU
001	AD43-00136C	BATTERY-PACK;SB-LSM80/CHN,SONY,Li-i	1	SA	VP-DC165WI/CHN
002	AD43-00136C	BATTERY-PACK;SB-LSM80/CHN,SONY,Li-i	1	SA	VP-DC165WI/CHN
001	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165WI/XSH
002	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165WI/XSH
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165WI/XEV
001	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165WI/XSH
002	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165WI/XSH
001	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165W/CDM
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165W/XEE
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165W/XEG
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165W/XEO
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165W/XET
	AD43-00136A	BATTERY-PACK;SB-LSM80/EXP,SONY,Li-i	1	SA	VP-DC165W/XEU
	AD68-00993S	MANUAL USERS;VP-DC163,CHN,CHN,-,MOJ	1	SA	VP-DC165WI/CHN
	AD68-00993L	MANUAL USERS;VP-DC163,XEC,ENG/ESP/I	1	SA	VP-DC165W/XET
	AD68-00993U	MANUAL USERS;VP-DC163,XEE,SWE/NOR/F	1	SA	VP-DC165W/XEE
	AD68-00993P	MANUAL USERS;VP-DC163,XEH,ENG/CZE/P	1	SA	VP-DC165W/XEO
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC165WI/XSH
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC165W/CDM
	AD68-00993M	MANUAL USERS;VP-DC163,XEN,ENG/GER/F	1	SA	VP-DC165W/XEG
	AD68-00993J	MANUAL USERS;VP-DC163,XEU,ENG,-,MOJ	1	SA	VP-DC165W/XEE
	AD68-00993J	MANUAL USERS;VP-DC163,XEU,ENG,-,MOJ	1	SA	VP-DC165W/XEU
	AD68-00993K	MANUAL USERS;VP-DC163,XEV,RUS/UKR,-	1	SA	VP-DC165WI/XEV
	AD68-00993T	MANUAL USERS;VP-DC163,XSS,ENG/CHN,-	1	SA	VP-DC165WI/XSH
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC165WI/XEV
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC165W/CDM
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC165W/XEE
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC165W/XEG
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC165W/XEO
	AD39-00077A	POWER CORD;AA-E6A,M4206,M4206,250V,	1	SA	VP-DC165W/XET
	AD39-00078A	POWER CORD;AA-E6A,MP5004A,MP5004A,2	1	SA	VP-DC165WI/XSH
	AD39-00078A	POWER CORD;AA-E6A,MP5004A,MP5004A,2	1	SA	VP-DC165W/XEU
	AD39-00080A	POWER CORD;AA-E6A,V301C,V301C,250V,	1	SA	VP-DC165WI/CHN
	AD69-00797A	BAG CARRYING-CASE;DRAGON2-PJ,LEATHE	1	SA	VP-DC165WI/XSH
	AD69-00797A	BAG CARRYING-CASE;DRAGON2-PJ,LEATHE	1	SA	VP-DC165WI/XEV
	AD69-00797A	BAG CARRYING-CASE;DRAGON2-PJ,LEATHE	1	SA	VP-DC165WI/CHN
112	MD63-00072A	GASKET;DTB-9405F,-,4mm,7mm,10mm?0.5	1	SA	
112	AD63-00965A	GASKET-HOUSING;RAINBOW1,-,T2.1,W5,L	1	SA	
397	AD61-02550A	BRACKET-FUCTION GROUND;RAINBOW1(33X	1	SA	
398	AD61-02549A	PLATE-GROUND DISPLAY;DRAGON2-PJ,SUS	1	SA	
C056	AD97-10990A	ASSY-CAP HOOD;ASSY,RAINBOW1(33X),0.	1	SA	
C594	AD61-02357A	PLATE-CCD;DRAGON2-PJ,AL,T1,W21,L25,	1	SA	
C606	AD64-01488A	BUTTON-DISPLAY;RAINBOW1(33X),PC+ABS	1	SA	
C607	0605-001086	CCD;COLOR,DIP,14P,8.2x8.2x2.4mm,68	1	SA	
C866	AD69-00420A	PAD-SPEAKER;DELTA-PJ,PORON,-,-,-,-,	1	SA	
CE02	2203-000254	C-CER,CHIP;10nF,10%,16V,X7R,1005	1	SA	
CNM01	3708-001147	CONNECTOR-FPC/FFC/PIC;6P,0.5MM,SMD-	1	SA	
JM01	3722-001435	JACK-PHONE;4P,3.6PI,AG,RED,-	1	SA	
L064	AD41-00796A	FPC-CVF;RAINBOW1-PJ,0,POLYAMID,18,6	1	SA	
LDE01	0601-001006	LED;SMD,Y-GRN,1.3X2.9MM,570NM,2.4X	1	SA	
LDM02	0601-001896	LED;SMD,BLUE,1.6x0.8x0.4mm,470,1.6	1	SA	
LDM03	0601-001896	LED;SMD,BLUE,1.6x0.8x0.4mm,470,1.6	1	SA	
P282	AD97-10966A	ASSY PCB-POWER FPC;RAINBOW1-PJ,ASSY	1	SA	
RE01	2007-000174	R-CHIP;47ohm,5%,1/16W,TP,1005	1	SA	
RE02	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
RE03	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
RE04	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	1	SA	
SWE01	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWE02	3409-001191	SWITCH-DETECTOR;5V,1mA,-,0.35gf,ON-	1	SA	
SWM01	3409-001183	SWITCH-DETECTOR;3V,0.1A,SPST,500gf,	1	SA	
SWM02	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
SWM03	3409-001150	SWITCH-DETECTOR;12V,100MA,SPST,35GF	1	SA	
W111	6001-000805	SCREW-MACHINE;CH,+,-,M1.7,L3,NI PLT	11	SA	
W113	6002-001085	SCREW-TAPPING;CH,+,2,M1.7,L5,ZPC(BL	1	SA	
W116	6001-001527	SCREW-MACHINE;CH(0.3),+,M1.7,L2.0,N	3	SA	
W118	6003-001291	SCREW-TAPTITE;CH,+,B,M1.4,L3.0,ZPC(	1	SA	
W119	6001-001444	SCREW-MACHINE;PH,+,M1.7,L2.0,ZPC(BL	2	SA	
W124	6001-001526	SCREW-MACHINE;CH(0.3),+,M1.7,L3.0,N	2	SA	
W126	6003-001300	SCREW-TAPTITE;CH,+,B,M1.7,L4,ZPC(BL	4	SA	
W127	6003-001292	SCREW-TAPTITE;CH(0.3),+,B,M1.7,L3,Z	6	SA	
W129	6001-001719	SCREW-MACHINE;CH,+,M1.7,L4,NI PLT	1	SA	
W206	6001-001373	SCREW-MACHINE;PH,T0.5,+,-,M1.7,L3.0	2	SA	
W224	6001-000877	SCREW-MACHINE;CH,+,M1.7,L3,ZPC(BLK)	2	SA	
W226	6003-001148	SCREW-TAPTITE;PH,+,B,M1.7,L6,ZPC(BL	3	SA	
W241	6001-001291	SCREW-MACHINE;CH(0.5),*,-,M1.7,L4,Z	13	SA	
W241	6001-001291	SCREW-MACHINE;CH(0.5),*,-,M1.7,L4,Z	1	SA	
W298	6003-001508	SCREW-TAPTITE;PH,+,B,M1.4,L3,NI PLT	1	SA	
	AD61-02392A	HOLDER-DIRECTION;RAINBOW1(33X),PC+A	1	SA	
	AD64-01483A	KNOB-DIRECTION;RAINBOW1(33X),PC+ABS	1	SA	
	AD69-00807A	CUSHION-DIRECTION;RAINBOW1,EPS,T5,W	1	SA	

7. Block Diagrams

7-1 All Block Diagram - 7-2

7-2 ICM01 Block Diagram - 7-3

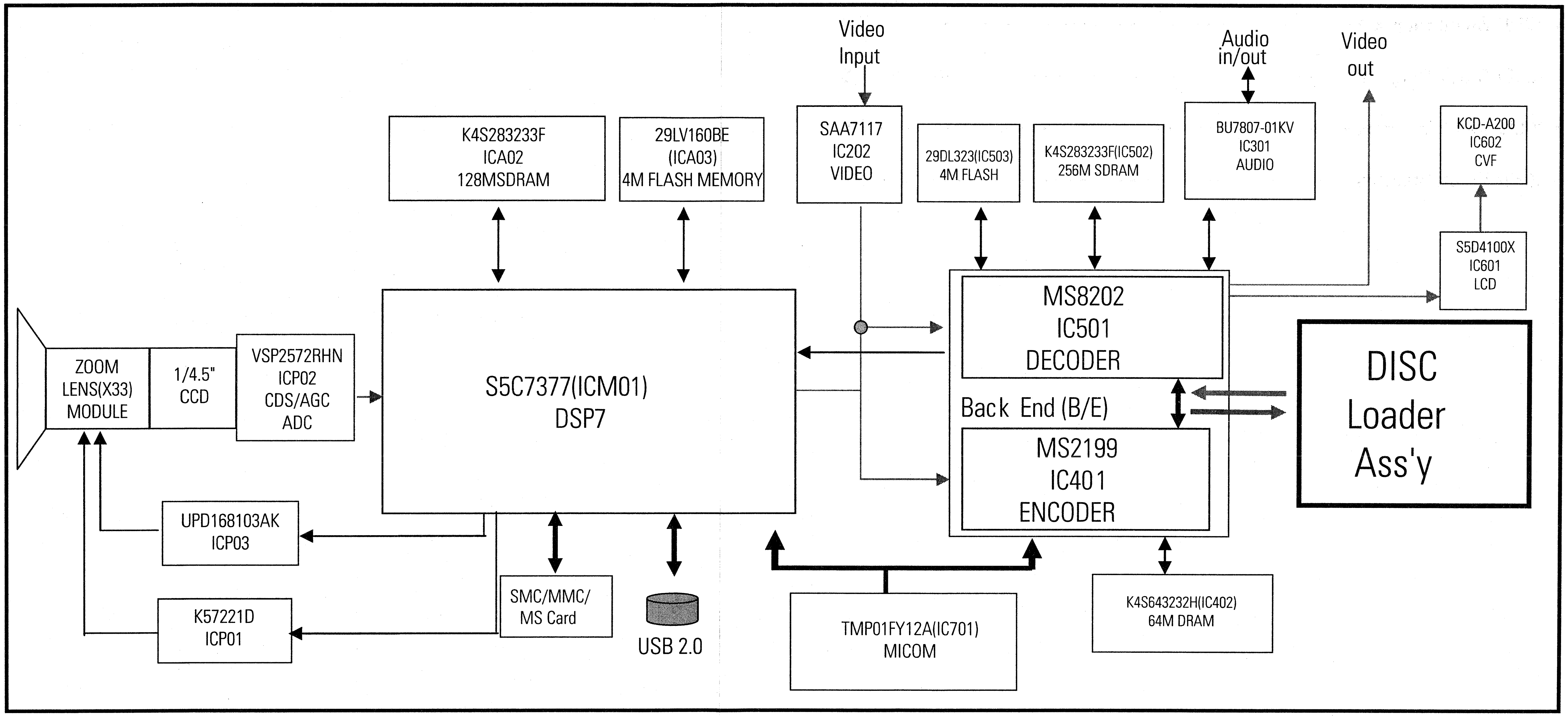
7-3 IC501 Block Diagram - 7-4

7-4 IC401 Block Diagram - 7-5

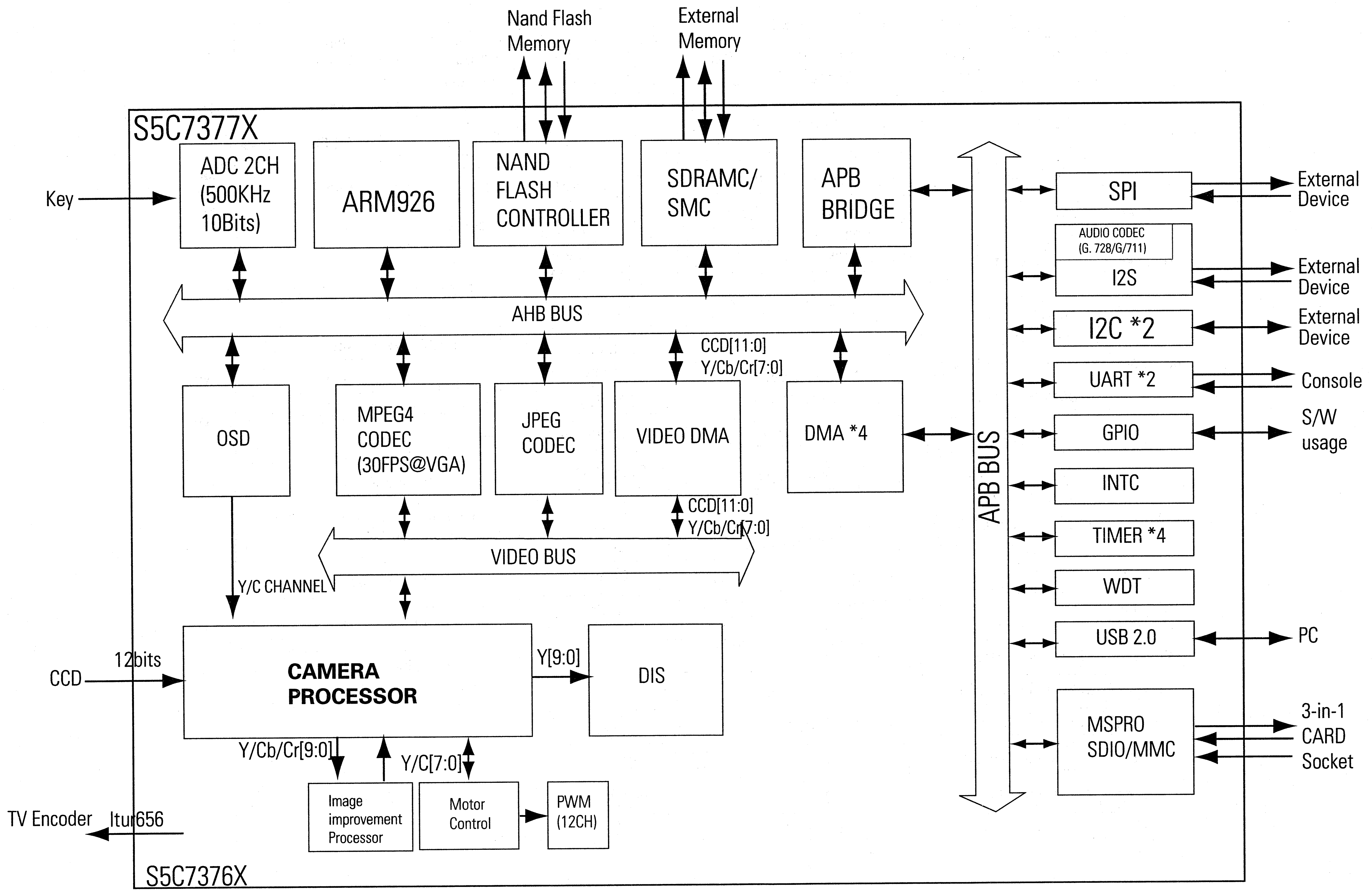
7-5 IC602 Block Diagram - 7-6

7-6 IC601 Block Diagram - 7-7

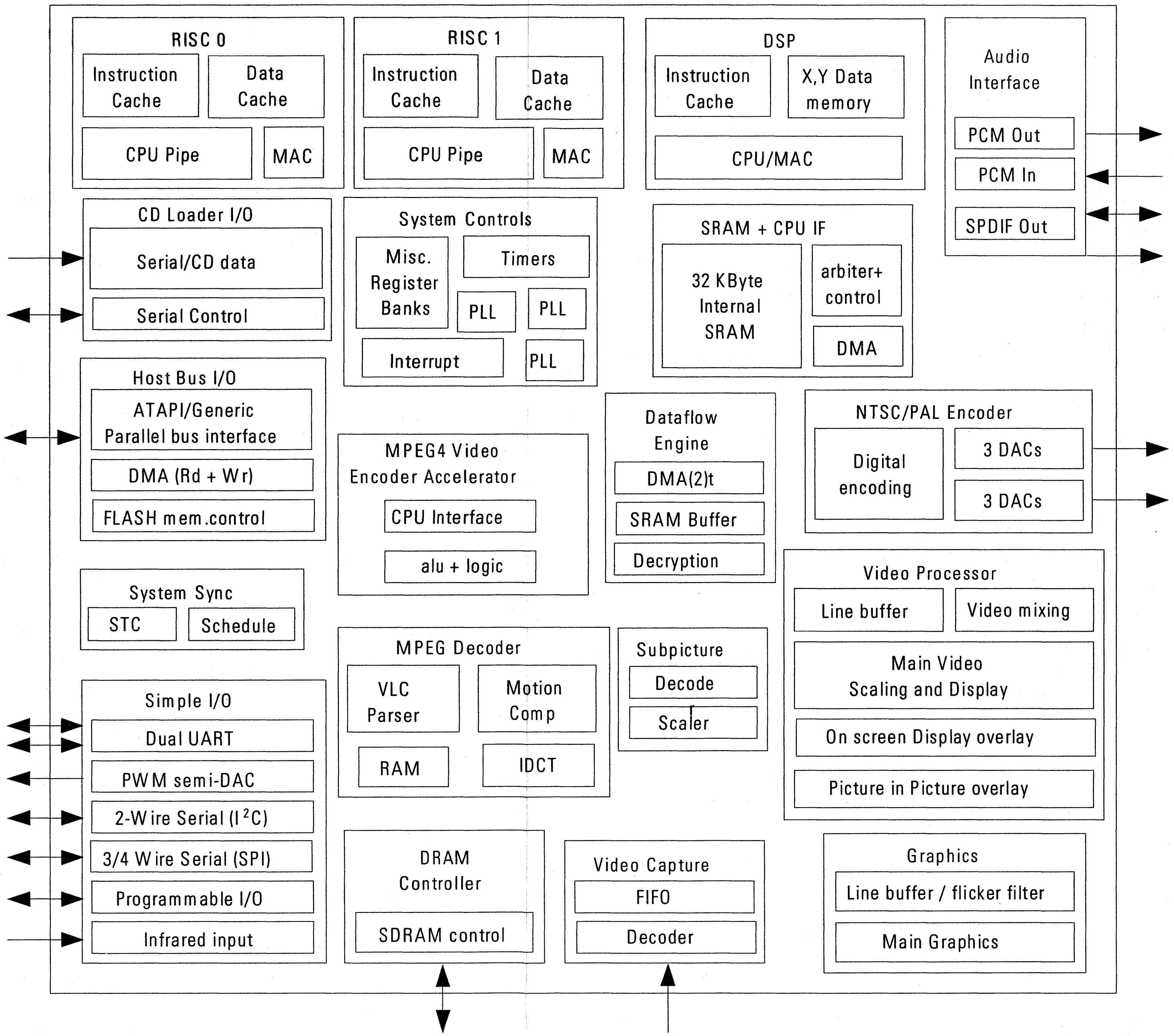
7-1 All Block Diagram


Video
Input
Audio
in/out
Video
out
K4S283233F
ICA02
128MSDRAM
29LV160BE
(ICA03)
4M FLASH MEMORY
SAA7117
IC202
VIDEO
29DL323(IC503)
4M FLASH
K4S283233F(IC502)
256M SDRAM
BU7807-01KV
IC301
AUDIO
KCD-A200
IC602
CVF
S5D4100X
IC601
LCD
ZOOM
LENS(X33)
MODULE
1/4.5"
CCD
VSP2572RHN
ICP02
CDS/AGC
ADC
S5C7377(ICM01)
DSP7
MS8202
IC501
DECODER
Back End (B/E)
MS2199
IC401
ENCODER
DISC
Loader
Ass'y
UPD168103AK
ICP03
K57221D
ICP01
SMC/MMC/
MS Card
USB 2.0
TMP01FY12A(IC701)
MICOM
K4S643232H(IC402)
64M DRAM

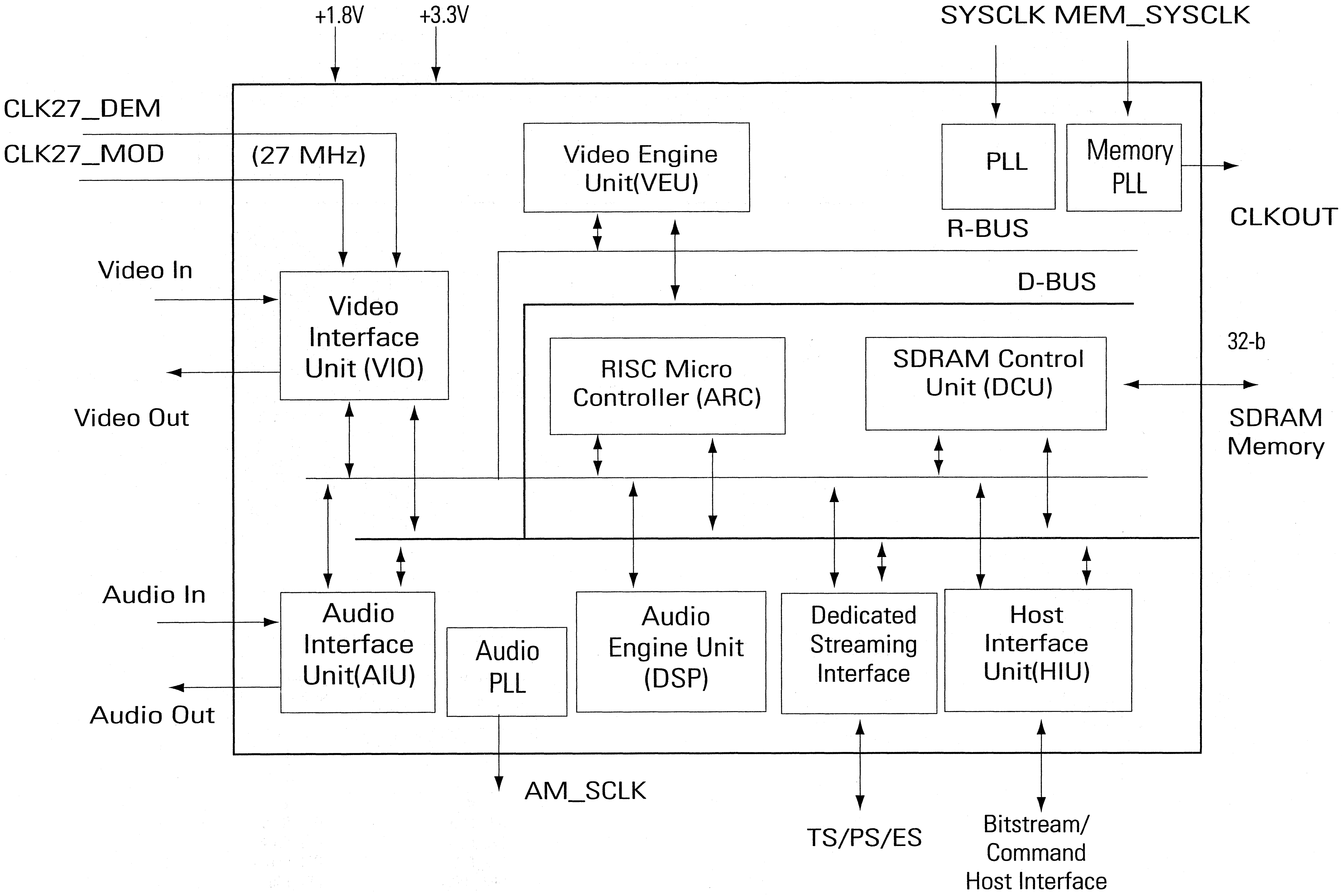
7-2 ICM01 Block Diagram


Nand Flash Memory
External Memory
S5C7377X
Key
ADC 2CH (500KHz 10Bits)
ARM926
NAND FLASH CONTROLLER
SDRAMC/ SMC
APB BRIDGE
AHB BUS
CCD[11:0] Y/Cb/Cr[7:0]
OSD
MPEG4 CODEC (30FPS@VGA)
JPEG CODEC
VIDEO DMA
DMA *4
CCD[11:0] Y/Cb/Cr[7:0]
VIDEO BUS
Y/C CHANNEL
CCD
12bits
CAMERA PROCESSOR
Y[9:0]
DIS
Y/Cb/Cr[9:0]
Y/C[7:0]
Image improvement Processor
Motor Control
PWM (12CH)
TV Encoder
Itur656
S5C7376X
APB BUS
SPI
External Device
AUDIO CODEC (G. 728/G/711)
I2S
External Device
I2C *2
External Device
UART *2
Console
GPIO
S/W usage
INTC
TIMER *4
WDT
USB 2.0
PC
MSPRO SDIO/MMC
3-in-1 CARD Socket

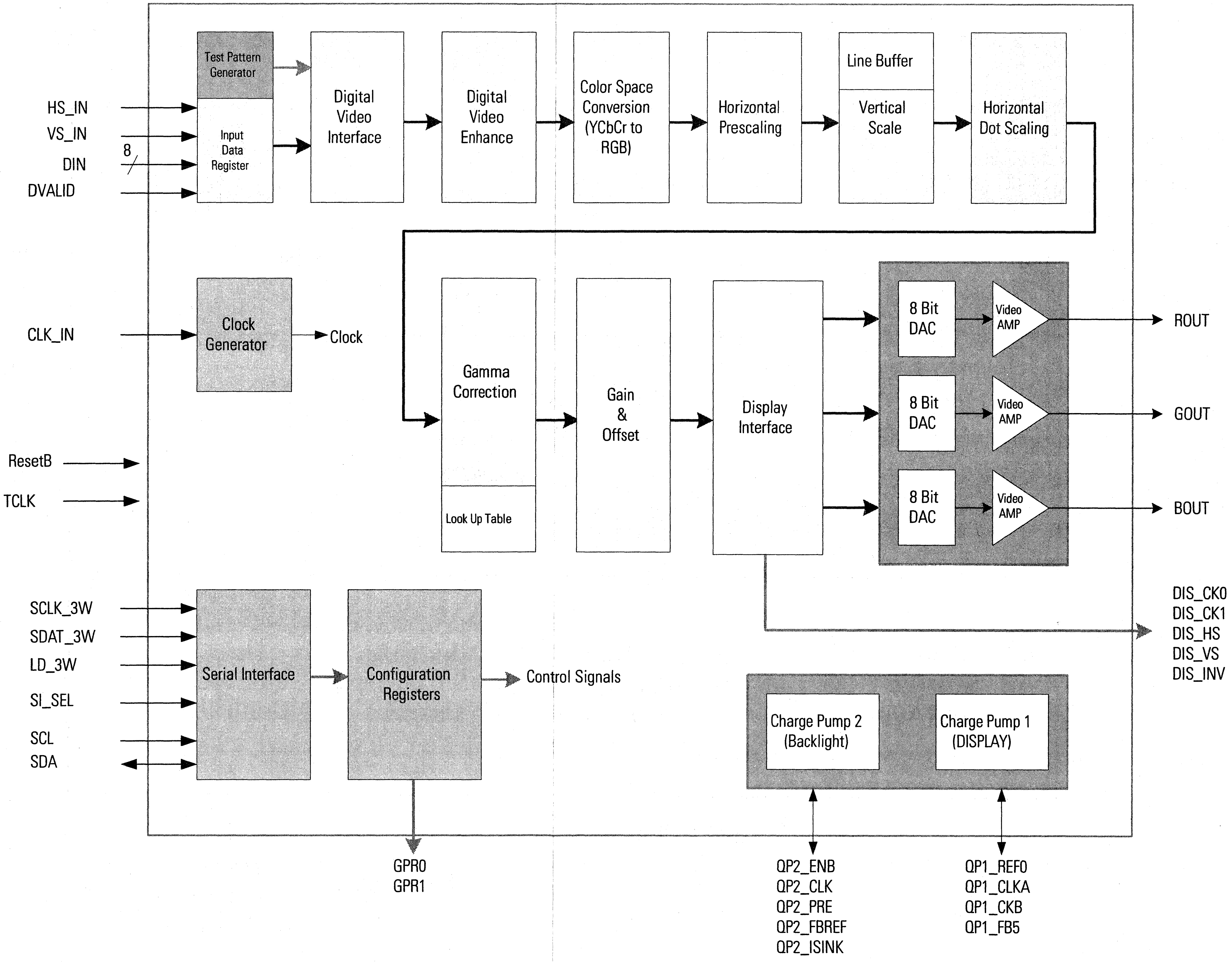
7-3 IC501 Block Diagram


RISC 0
Instruction Cache
Data Cache
CPU Pipe
MAC
RISC 1
Instruction Cache
Data Cache
CPU Pipe
MAC
DSP
Instruction Cache
X,Y Data memory
CPU/MAC
Audio Interface
PCM Out
PCM In
SPDIF Out
CD Loader I/O
Serial/CD data
Serial Control
System Controls
Misc. Register Banks
Timers
PLL
PLL
Interrupt
PLL
SRAM + CPU IF
32 KByte Internal SRAM
arbiter+ control
DMA
Host Bus I/O
ATAPI/Generic Parallel bus interface
DMA (Rd + Wr)
FLASH mem.control
MPEG4 Video Encoder Accelerator
CPU Interface
alu + logic
Dataflow Engine
DMA(2)t
SRAM Buffer
Decryption
NTSC/PAL Encoder
Digital encoding
3 DACs
3 DACs
System Sync
STC
Schedule
Video Processor
Line buffer
Video mixing
Main Video Scaling and Display
On screen Display overlay
Picture in Picture overlay
MPEG Decoder
VLC Parser
Motion Comp
RAM
IDCT
Subpicture
Decode
Scaler
Simple I/O
Dual UART
PWM semi-DAC
2-Wire Serial (I²C)
3/4 Wire Serial (SPI)
Programmable I/O
Infrared input
DRAM Controller
SDRAM control
Video Capture
FIFO
Decoder
Graphics
Line buffer / flicker filter
Main Graphics

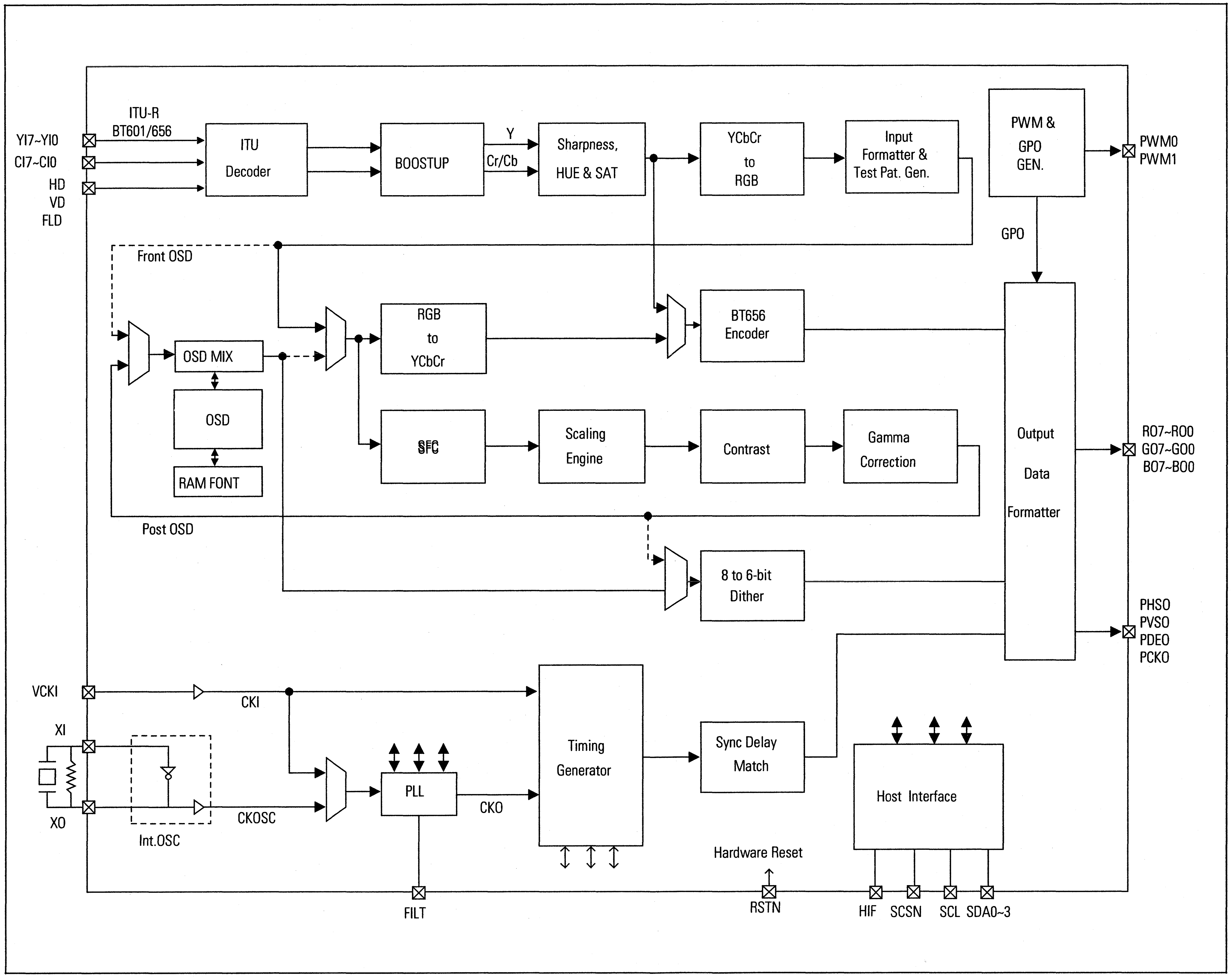
7-4 IC401 Block Diagram


+1.8V
+3.3V
SYSCLK MEM_SYSCLK
CLK27_DEM
CLK27_MOD
(27 MHz)
Video Engine Unit(VEU)
PLL
Memory PLL
CLKOUT
R-BUS
D-BUS
Video In
Video Interface Unit (VIO)
Video Out
RISC Micro Controller (ARC)
SDRAM Control Unit (DCU)
32-b
SDRAM Memory
Audio In
Audio Interface Unit(AIU)
Audio Out
Audio PLL
Audio Engine Unit (DSP)
Dedicated Streaming Interface
Host Interface Unit(HIU)
AM_SCLK
TS/PS/ES
Bitstream/ Command Host Interface

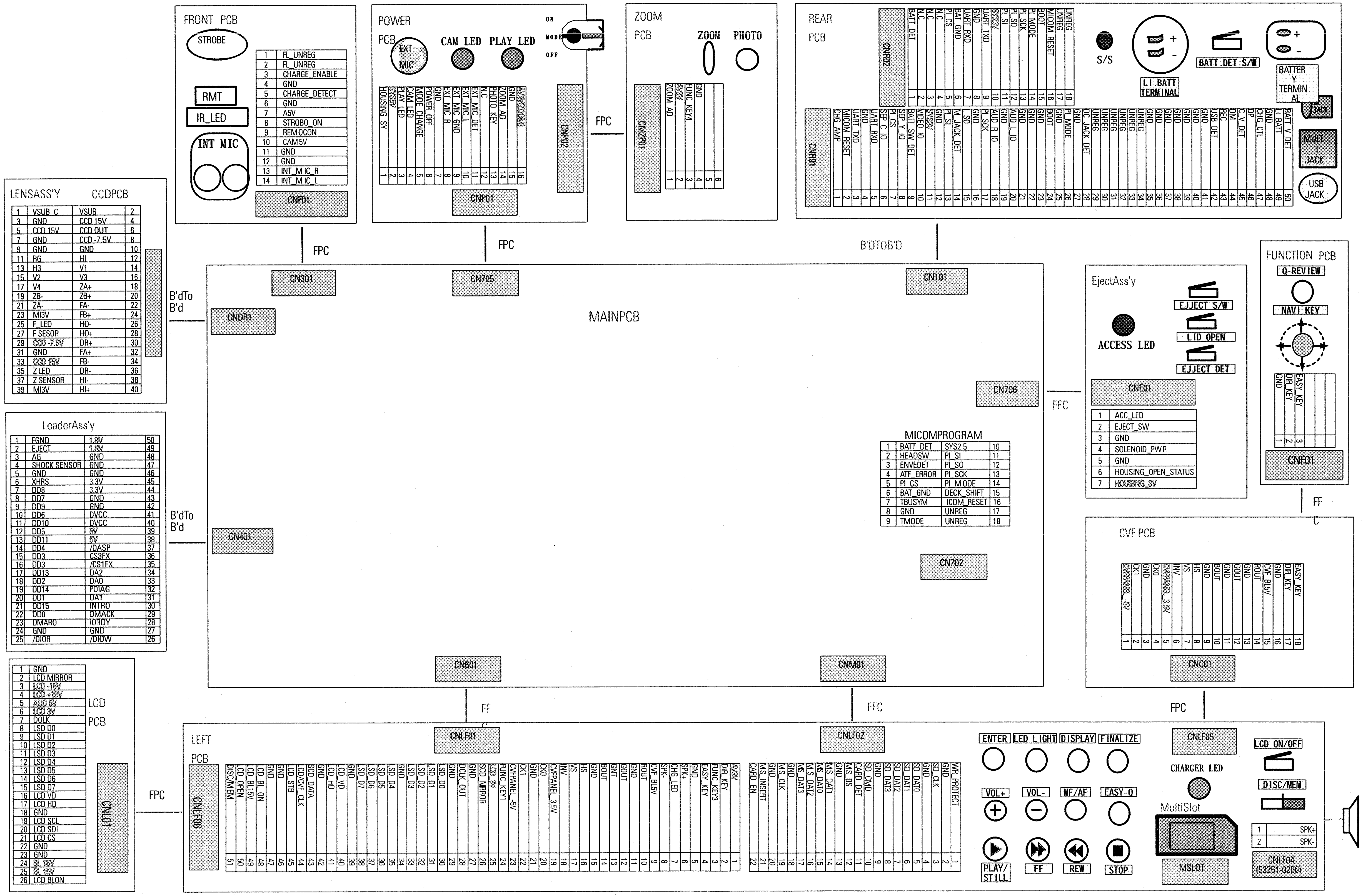
7-5 IC602 Block Diagram


HS_IN
VS_IN
DIN
8
DVALID
Test Pattern Generator
Input Data Register
Digital Video Interface
Digital Video Enhance
Color Space Conversion (YCbCr to RGB)
Horizontal Prescaling
Line Buffer
Vertical Scale
Horizontal Dot Scaling
CLK_IN
Clock Generator
Clock
Gamma Correction
Look Up Table
Gain & Offset
Display Interface
8 Bit DAC
Video AMP
8 Bit DAC
Video AMP
8 Bit DAC
Video AMP
ROUT
GOUT
BOUT
ResetB
TCLK
DIS_CK0
DIS_CK1
DIS_HS
DIS_VS
DIS_INV
SCLK_3W
SDAT_3W
LD_3W
SI_SEL
SCL
SDA
Serial Interface
Configuration Registers
Control Signals
Charge Pump 2 (Backlight)
Charge Pump 1 (DISPLAY)
GPR0
GPR1
QP2_ENB
QP2_CLK
QP2_PRE
QP2_FBREF
QP2_ISINK
QP1_REF0
QP1_CLKA
QP1_CKB
QP1_FB5

7-6 IC601 Block Diagram


ITU-R
BT601/656
YI7~YI0
CI7~CI0
HD
VD
FLD
ITU
Decoder
BOOSTUP
Y
Cr/Cb
Sharpness,
HUE & SAT
YCbCr
to
RGB
Input
Formatter &
Test Pat. Gen.
PWM &
GPO
GEN.
PWM0
PWM1
GPO
Front OSD
OSD MIX
OSD
RAM FONT
RGB
to
YCbCr
BT656
Encoder
SFC
Scaling
Engine
Contrast
Gamma
Correction
Output
Data
Formatter
R07~R00
G07~G00
B07~B00
Post OSD
8 to 6-bit
Dither
PHSO
PVSO
PDEO
PCKO
VCKI
CKI
XI
XO
Int.OSC
CKOSC
PLL
CKO
Timing
Generator
Sync Delay
Match
Host Interface
Hardware Reset
FILT
RSTN
HIF
SCSN
SCL
SDA0~3

8. Wiring Diagram



FRONT PCB
STROBE
RMT
IR_LED
INT MIC
CNF01
POWER PCB
EXT MIC
CAM LED
PLAY LED
ON
MODE
OFF
CNP01
CNP02
FPC
ZOOM PCB
ZOOM
PHOTO
CMZP01
REAR PCB
CNR02
CNR01
S/S
LI.BATT TERMINAL
BATT.DET S/W
BATTERY TERMINAL
DC JACK
MULTI JACK
USB JACK
B'DTOB'D
LENSASS'Y
CCDPCB
B'dTo B'd
LoaderAss'y
B'dTo B'd
LCD PCB
CNL01
FPC
MAINPCB
CN301
CN705
CN101
CNDR1
CN401
CN706
CN702
CN601
CNM01
FPC
FPC
FFC
FF C
FFC
FPC
EjectAss'y
ACCESS LED
EJJECT S/W
LID OPEN
EJJECT DET
CNE01
FUNCTION PCB
Q-REVIEW
NAVI KEY
CNF01
FF C
CVF PCB
CNC01
LEFT PCB
CNLF06
CNLF01
CNLF02
CNLF05
ENTER
LED LIGHT
DISPLAY
FINALIZE
VOL+
VOL-
MF/AF
EASY-Q
PLAY/ STILL
FF
REW
STOP
CHARGER LED
MultiSlot
MSLOT
LCD ON/OFF
DISC/MEM
CNLF04 (53261-0290)

FRONT PCB (CNF01)

1	FL_UNREG
2	FL_UNREG
3	CHARGE_ENABLE
4	GND
5	CHARGE_DETECT
6	GND
7	A5V
8	STROBO_ON
9	REM OCON
10	CAM 5V
11	GND
12	GND
13	INT_M IC_R
14	INT_M IC_L

POWER PCB (CNP01)

1	HOUSING_SY
2	[illegible]
3	PLAY_LED
4	CAM_LED
5	MODE_CHANGE
6	POWER_OFF
7	GND
8	EXT_MIC_R
9	EXT_MIC_GND
10	EXT_MIC_L
11	EXT_MIC_DET
12	N.C
13	PHOTO_KEY
14	ZOOM_AD
15	GND
16	[illegible]

ZOOM PCB (CMZP01)

1	ZOOM_AD
2	[illegible]
3	FUNC_KEY4
4	GND
5	
6	

REAR PCB (CNR02)

1	BATT_DET
2	N.C
3	N.C
4	N.C
5	PI_CS
6	BAT_GND
7	UART_RXD
8	GND
9	UART_TXD
10	[illegible]
11	PI_SI
12	PI_SO
13	PI_SCK
14	PI_MODE
15	BOOT
16	MICOM_RESET
17	UNREG
18	UNREG

REAR PCB (CNR01)

1	CHG_AMP
2	MICOM_RESET
3	UART_TXD
4	GND
5	UART_RXD
6	SEP_C_IO
7	PI_CS
8	SEP_Y_IO
9	BATT_SW_DET
10	VIDEO_IO
11	[illegible]
12	GND
13	PI_SI
14	M_JACK_DET
15	I_SO
16	GND
17	PI_SCK
18	AUD_R_IO
19	GND
20	AUD_L_IO
21	GND
22	GND
23	GND
24	BOOT
25	GND
26	PI_MODE
27	GND
28	DC_JACK_DET
29	UNREG
30	UNREG
31	UNREG
32	UNREG
33	UNREG
34	UNREG
35	GND
36	GND
37	GND
38	GND
39	GND
40	GND
41	GND
42	USB_DET
43	REC
44	DM
45	C_V_DET
46	DP
47	CHG_CTL
48	GND
49	LI_BATT
50	BATT_V_DET

LENSASS'Y CCDPCB

1	VSUB_C	VSUB	2
3	GND	CCD 15V	4
5	CCD 15V	CCD OUT	6
7	GND	CCD -7.5V	8
9	GND	GND	10
11	RG	HI	12
13	H3	V1	14
15	V2	V3	16
17	V4	ZA+	18
19	ZB-	ZB+	20
21	ZA-	FA-	22
23	MI3V	FB+	24
25	F_LED	HO-	26
27	F SESOR	HO+	28
29	CCD -7.5V	DR+	30
31	GND	FA+	32
33	CCD 15V	FB-	34
35	Z LED	DR-	36
37	Z SENSOR	HI-	38
39	MI3V	HI+	40

LoaderAss'y

1	FGND	1.8V	50
2	EJECT	1.8V	49
3	AG	GND	48
4	SHOCK SENSOR	GND	47
5	GND	GND	46
6	XHRS	3.3V	45
7	DD8	3.3V	44
8	DD7	GND	43
9	DD9	GND	42
10	DD6	DVCC	41
11	DD10	DVCC	40
12	DD5	5V	39
13	DD11	5V	38
14	DD4	/DASP	37
15	DD3	CS3FX	36
16	DD3	/CS1FX	35
17	DD13	DA2	34
18	DD2	DA0	33
19	DD14	PDIAG	32
20	DD1	DA1	31
21	DD15	INTRO	30
22	DD0	DMACK	29
23	DMARO	IORDY	28
24	GND	GND	27
25	/DIOR	/DIOW	26

LCD PCB (CNL01)

1	GND
2	LCD MIRROR
3	LCD -15V
4	LCD +15V
5	AUD 5V
6	LCD 3V
7	DOLK
8	LSD D0
9	LSD D1
10	LSD D2
11	LSD D3
12	LSD D4
13	LSD D5
14	LSD D6
15	LSD D7
16	LCD VD
17	LCD HD
18	GND
19	LCD SCL
20	LCD SDI
21	LCD CS
22	GND
23	GND
24	BL 15V
25	BL 15V
26	LCD BLON

MICOMPROGRAM

1	BATT_DET	SYS2.5	10
2	HEADSW	PI_SI	11
3	ENVEDET	PI_SO	12
4	ATF_ERROR	PI_SCK	13
5	PI_CS	PI_M ODE	14
6	BAT_GND	DECK_SHIFT	15
7	TBUSYM	ICOM_RESET	16
8	GND	UNREG	17
9	TMODE	UNREG	18

EjectAss'y (CNE01)

1	ACC_LED
2	EJECT_SW
3	GND
4	SOLENOID_PWR
5	GND
6	HOUSING_OPEN_STATUS
7	HOUSING_5V

FUNCTION PCB (CNF01)

1	GND
2	DIR_KEY
3	EASY_KEY

CVF PCB (CNC01)

1	CVFPANEL_-5V
2	CK1
3	GND
4	CK0
5	CVFPANEL_3.5V
6	INV
7	VS
8	HS
9	GND
10	BOUT
11	GND
12	GOUT
13	GND
14	ROUT
15	CVF_BL5V
16	GND
17	DIR_KEY
18	EASY_KEY

LEFT PCB (CNLF01)

1	[illegible]
2	DIR_KEY
3	FUNC_KEY3
4	EASY_KEY
5	GND
6	SPK+
7	CHG_LED
8	SPK-
9	CVF_BL5V
10	ROUT
11	GND
12	GOUT
13	GNT
14	BOUT
15	GND
16	HS
17	VS
18	INV
19	CVFPANEL_3.5V
20	CK0
21	GND
22	CK1
23	CVFPANEL_-5V
24	FUNC_KEY1
25	LCD_3V
26	SCD_MIRROR
27	GND
28	DCLK_OUT
29	GND
30	LSD_D0
31	LSD_D1
32	LSD_D2
33	LSD_D3
34	GND
35	LSD_D4
36	LSD_D5
37	LSD_D6
38	LSD_D7
39	GND
40	LCD_VD
41	LCD_HD
42	GND
43	SCD_DATA
44	LCD/CVF_CLK
45	LCD_STB
46	GND
47	GND
48	LCD_BL_ON
49	LCD_BL15V
50	LCD_OPEN
51	DISC/MEM

LEFT PCB (CNLF02)

1	WR_PROTECT
2	GND
3	SD_CLK
4	GND
5	SD_DAT0
6	SD_DAT1
7	SD_DAT2
8	SD_DAT3
9	GND
10	SD_CMD
11	CARD_DET
12	MS_BS
13	GND
14	MS_DAT1
15	MS_DAT0
16	M S_DAT2
17	MS_DAT3
18	GND
19	MS_CLK
20	GND
21	MS_INSERT
22	CARD_EN

CNLF04

1	SPK+
2	SPK-

9. PCB Diagrams

9-1 Main PCB -- 9-2

9-2 Left PCB-- 9-6

9-3 Rear PCB -- 9-6

9-4 LCD PCB (VP-DC161(I)/DC163(I)) -------------------------------- 9-7

9-5 LCD PCB (VP-DC161W(B)(I)/DC163W(I)/DC165W(B)(I))---------------- 9-7

9-6 Function PCB -- 9-8

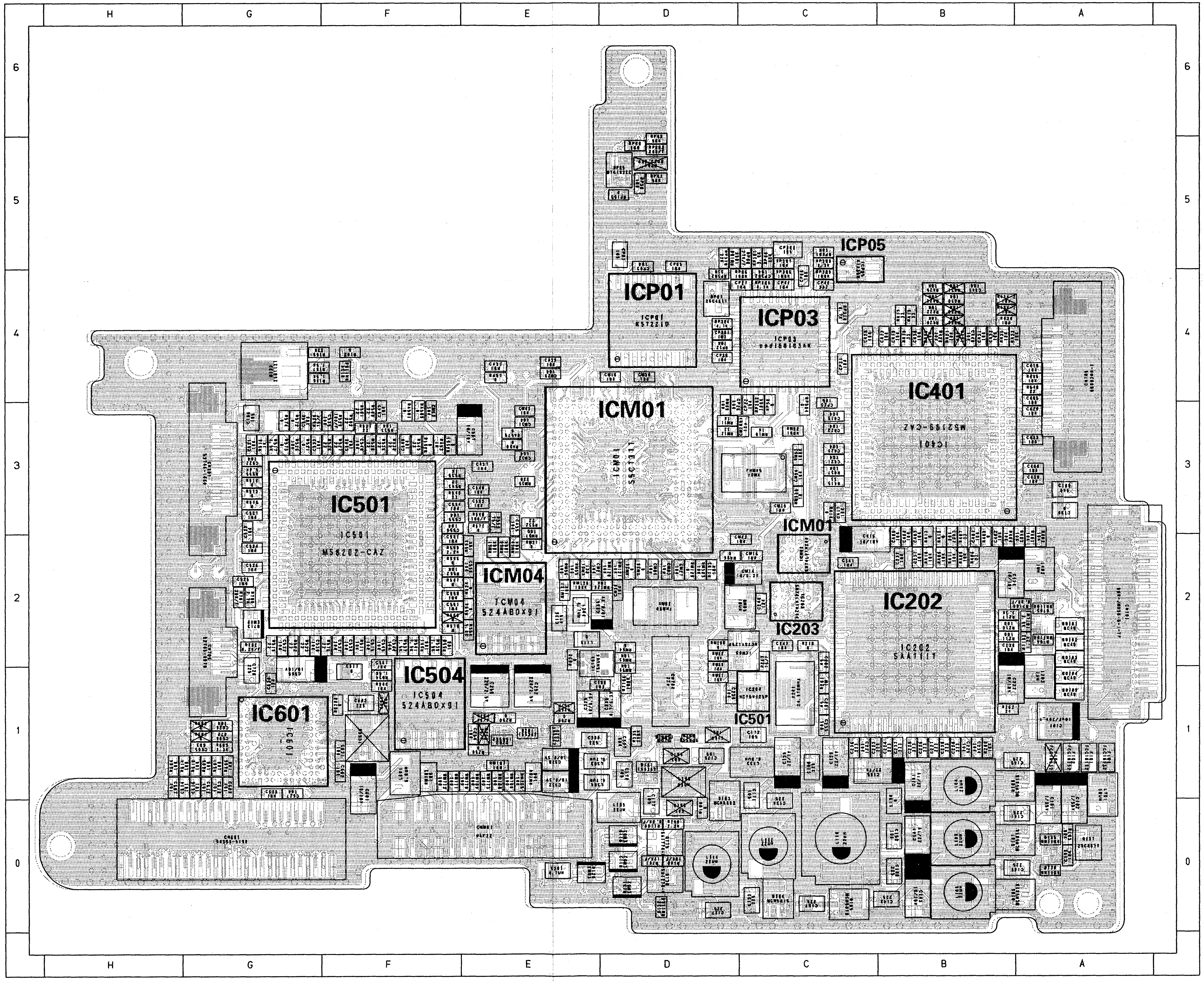
9-7 Front PCB --9-8

9-8 CCD PCB -- 9-9

9-9 CVF PCB -- 9-9

9-1 Main PCB

COMPONENT SIDE


H
G
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5
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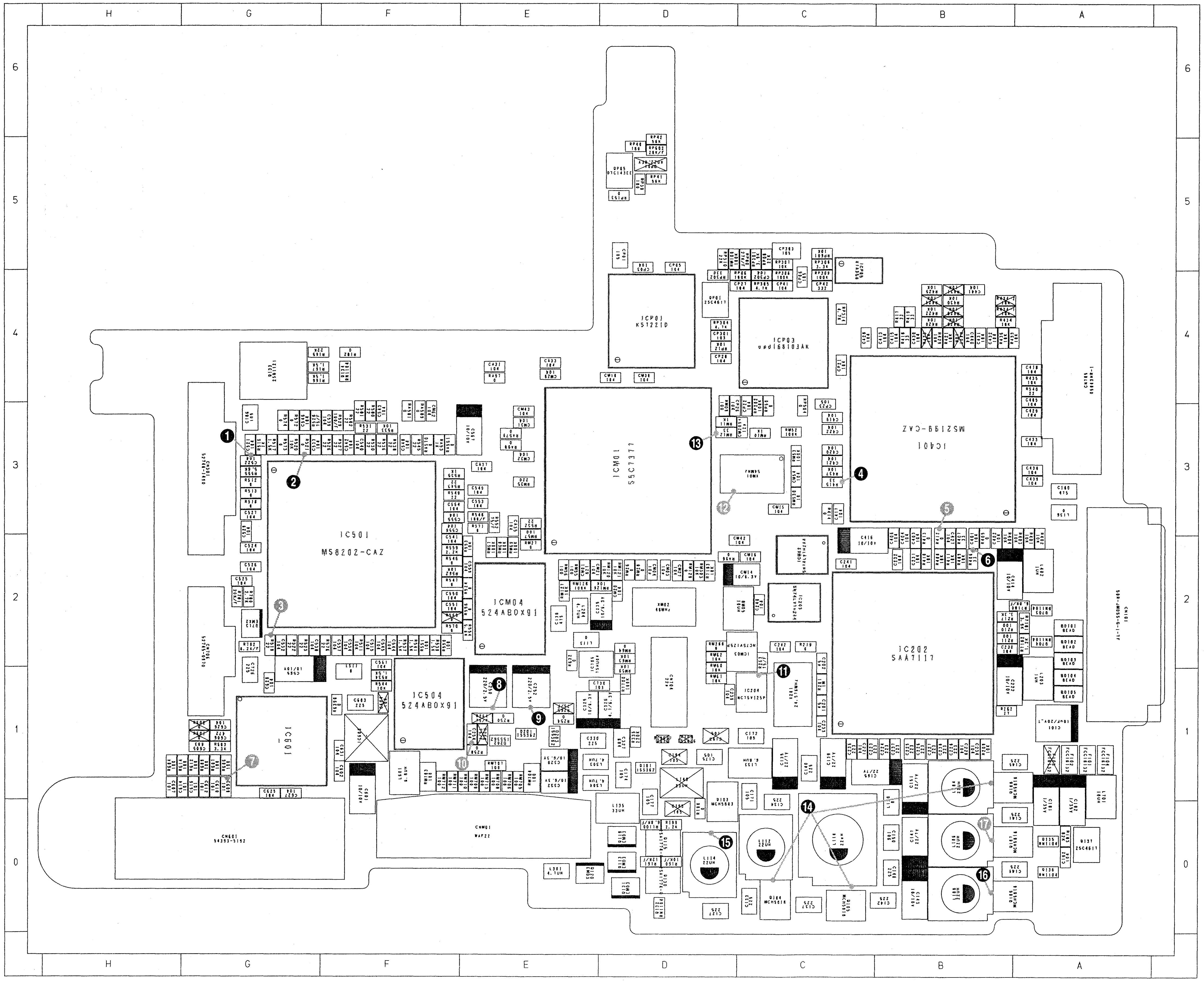
3
2
1
0
ICP05
ICP01
ICP03
ICM01
IC401
IC501
ICM01
ICM04
IC202
IC203
IC504
IC601
IC501

B-1	IC202
B-3	IC401
B-5	ICP05
C-2	IC203
C-2	ICM02
C-2	IC203
C-4	ICP03
D-3	ICM01
D-4	ICP01
E-2	ICM04
F-1	IC504
F-2	IC501
G-1	IC601


H
G
F
E
D
C
B
A
6
5
4
3
2
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0
IC501
MS8202-CAZ
IC401
MS2199-CAZ
IC202
SAA7117
ICM01
ICM04
524ABOX91
IC504
524ABOX91
ICP01
KS1221D
ICP03
IC601
CN601
CNM01
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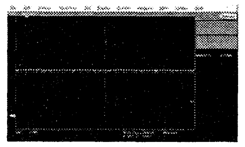
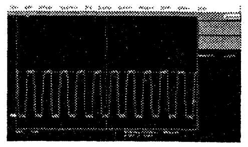
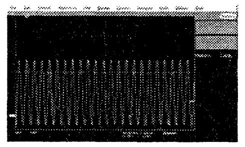
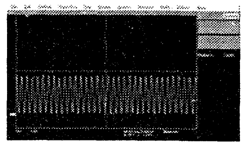
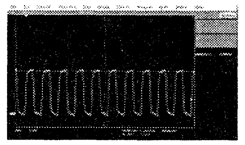
16
17

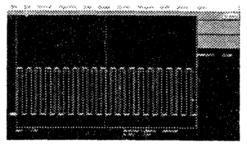

① RESET 3V

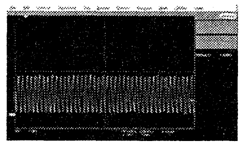

② DEC 27KMz

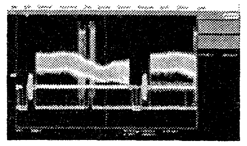

③ DEC 116MHz

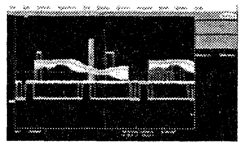

④ ENC 166MHz

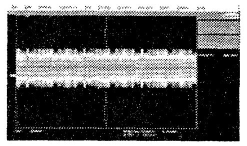

⑤ ENC 27MHz

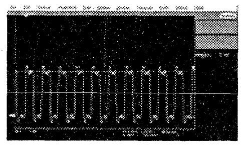

⑥ AUDIO CLK 48KHz

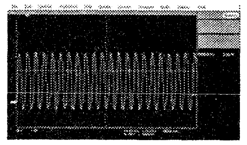

⑦ LCD 10.6MHz

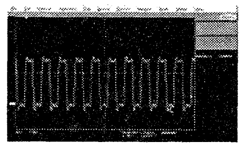

⑧ VIDEO

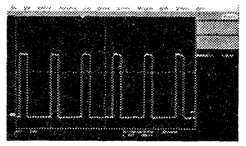

⑨ SEP Y

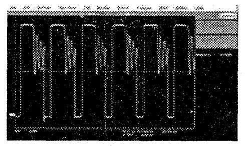

⑩ SEP C

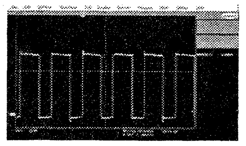

⑪ CLK 27MHz

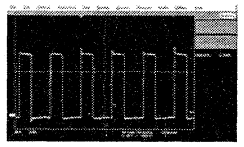

⑫ 54MHz


⑬ 27MHz

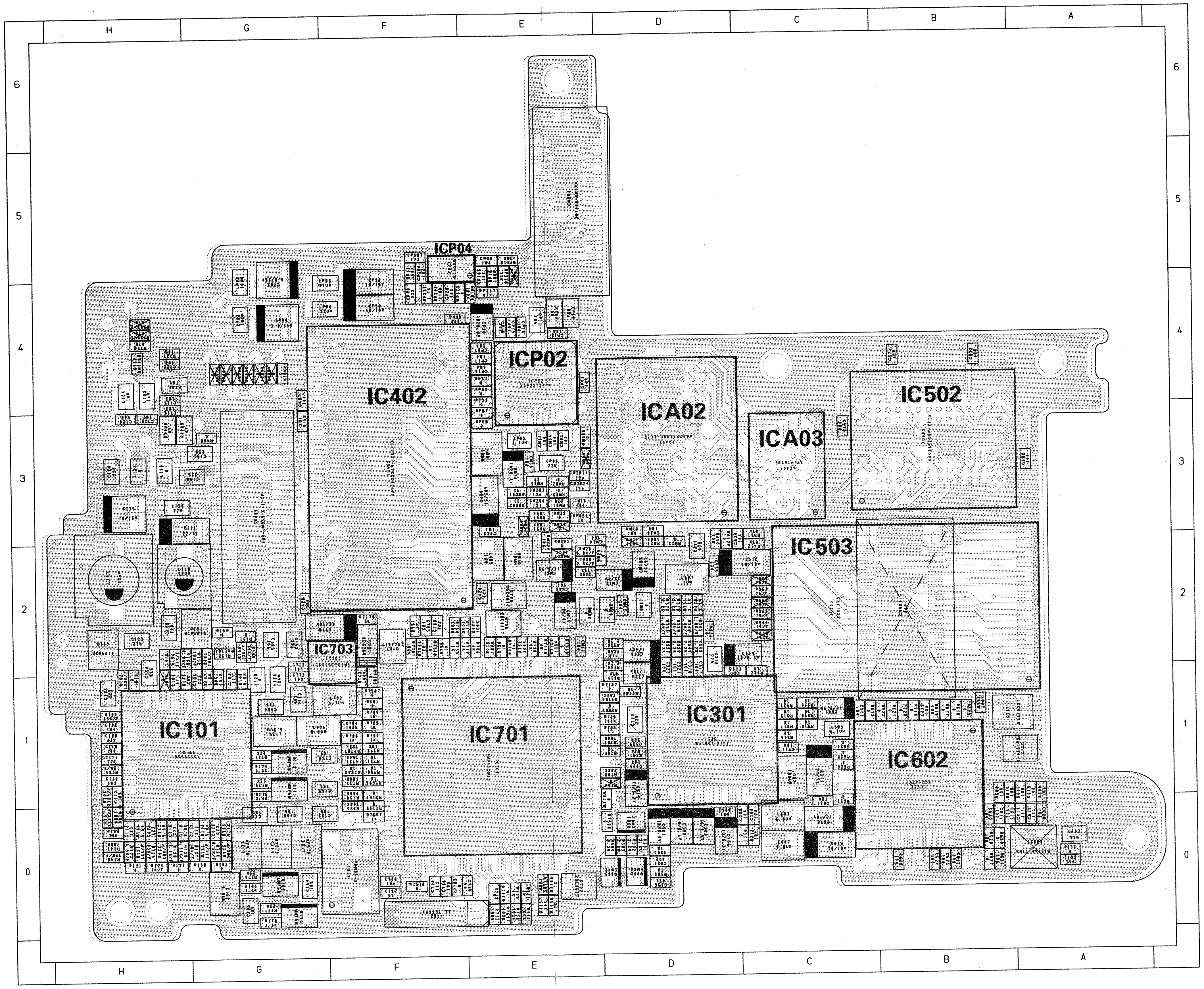

⑭ Q108 Q105 Q104


⑮ Q103


⑯ Q106 Q102


⑰ Q107 Q101

CONDUCTOR SIDE


H
G
F
E
D
C
B
A
6
5
4
3
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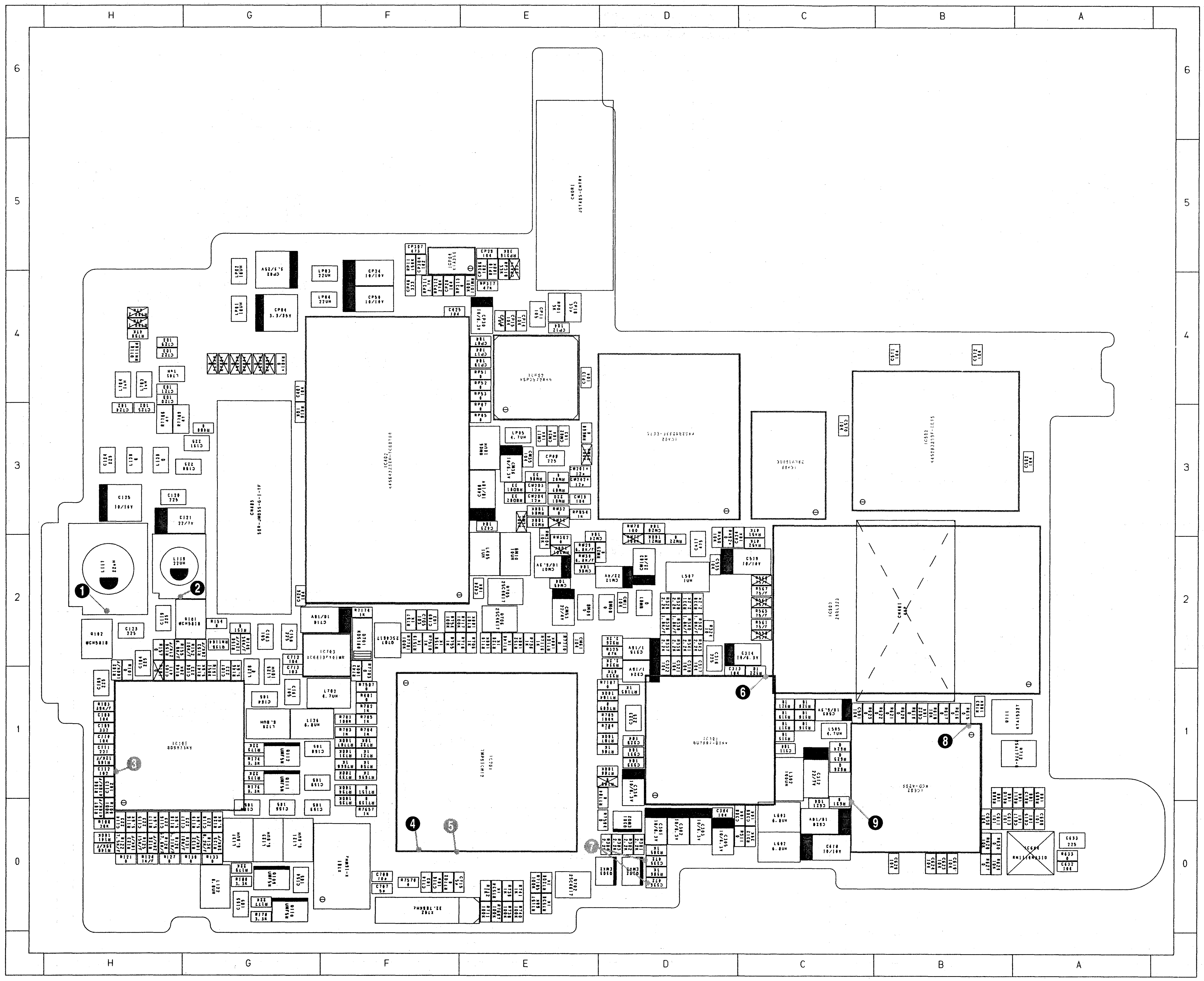
1
0
ICP04
ICP02
IC402
ICA02
ICA03
IC502
IC503
IC703
IC101
IC701
IC301
IC602

B-1	IC602
B-3	IC502
C-2	IC503
C-3	ICA03
D-1	IC301
D-3	ICA02
E-1	IC701
E-4	ICP02
F-2	IC703
F-3	IC402
F-5	ICP04
H-1	IC101


H
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C
B
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6
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❷
❸
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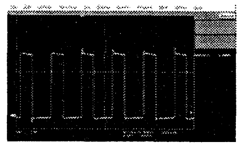
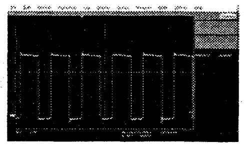
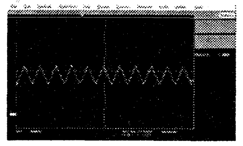
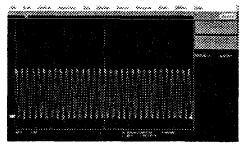
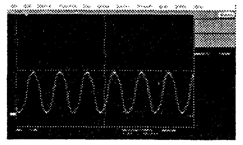
❾

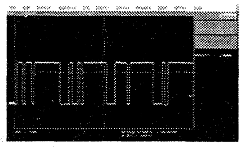

❶ Q107 Q101

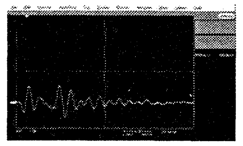

❷ Q106 Q102

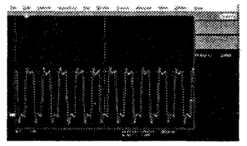

❸ CLK

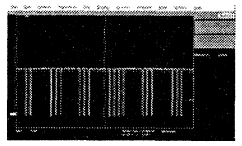

❹ 16MHz


❺ 32.768KHz


❻ AUDIO REC DATA

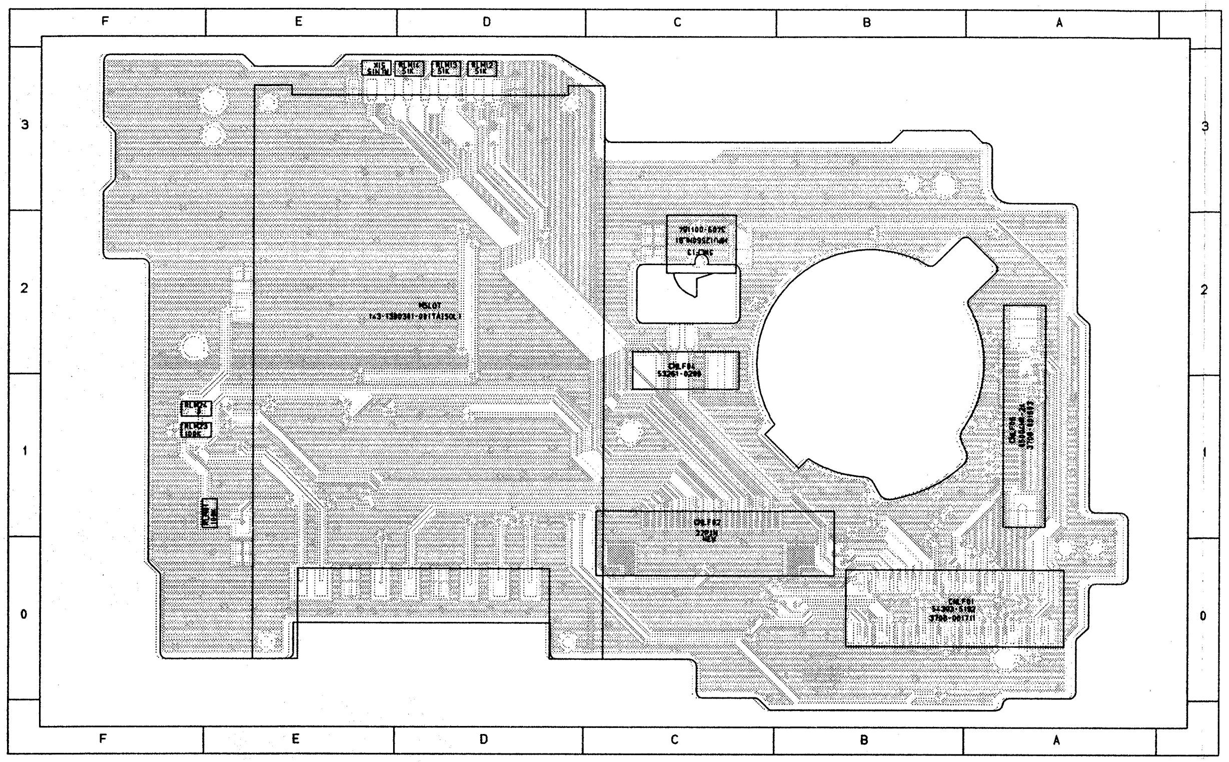

❼ AUDIO L R


❽ CVF 27MHz

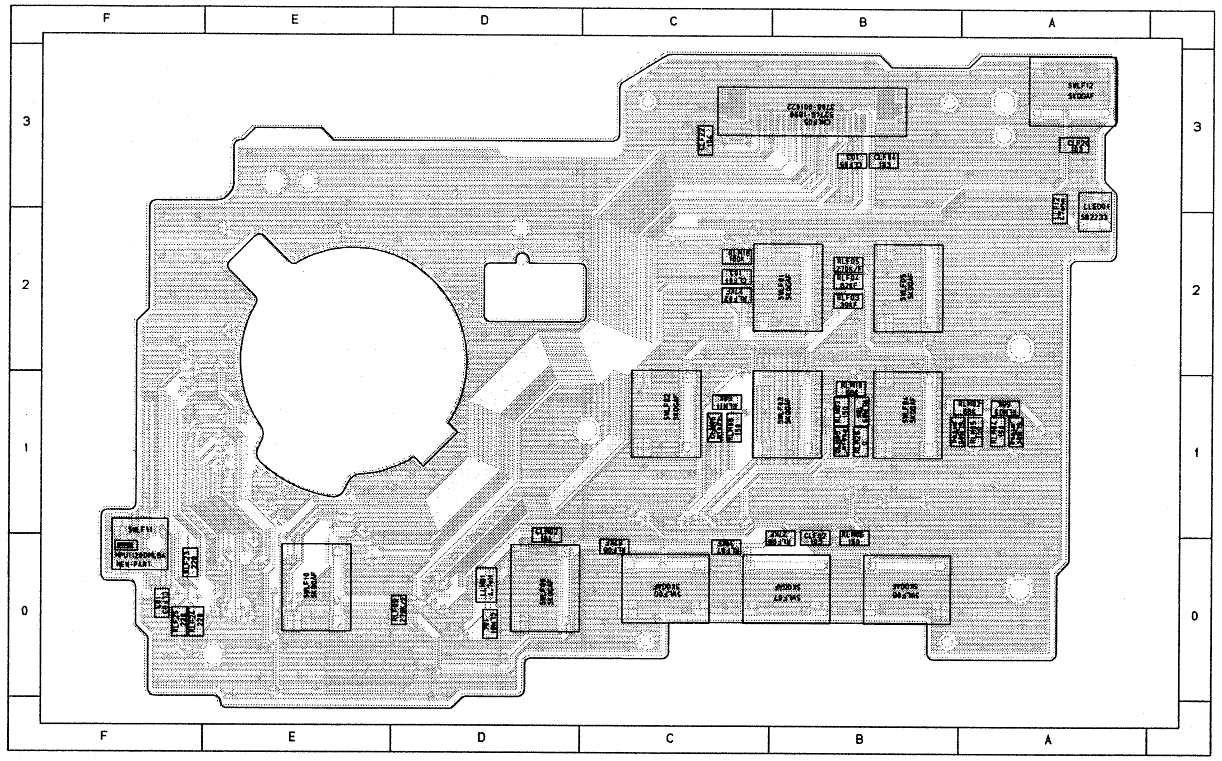

❾ LCD CVF CLOCK

9-2 Left PCB

COMPONENT SIDE


F
E
D
C
B
A
3
2
1
0

CONDUCTOR SIDE


F
E
D
C
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A
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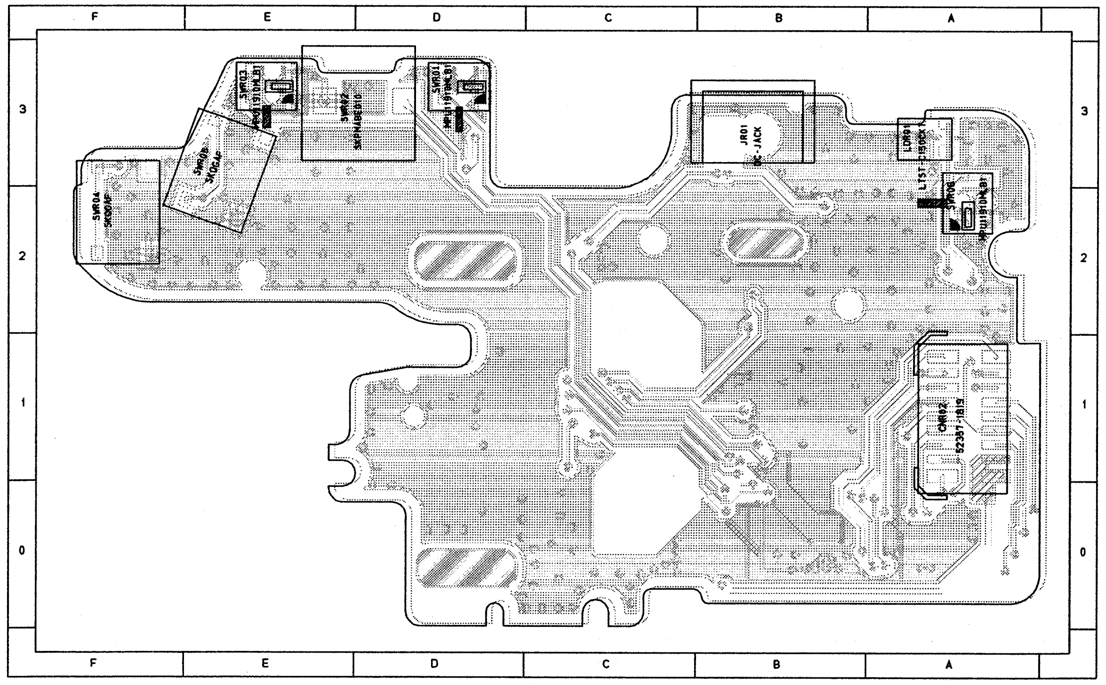
2
1
0

9-3 Rear PCB

COMPONENT SIDE


F
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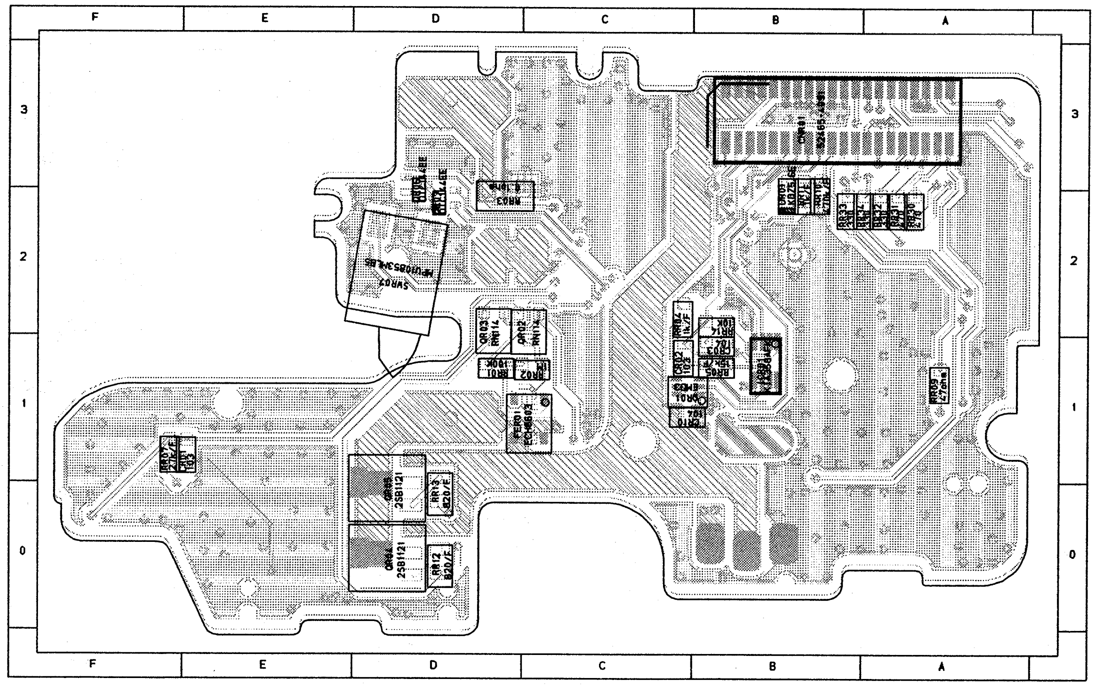
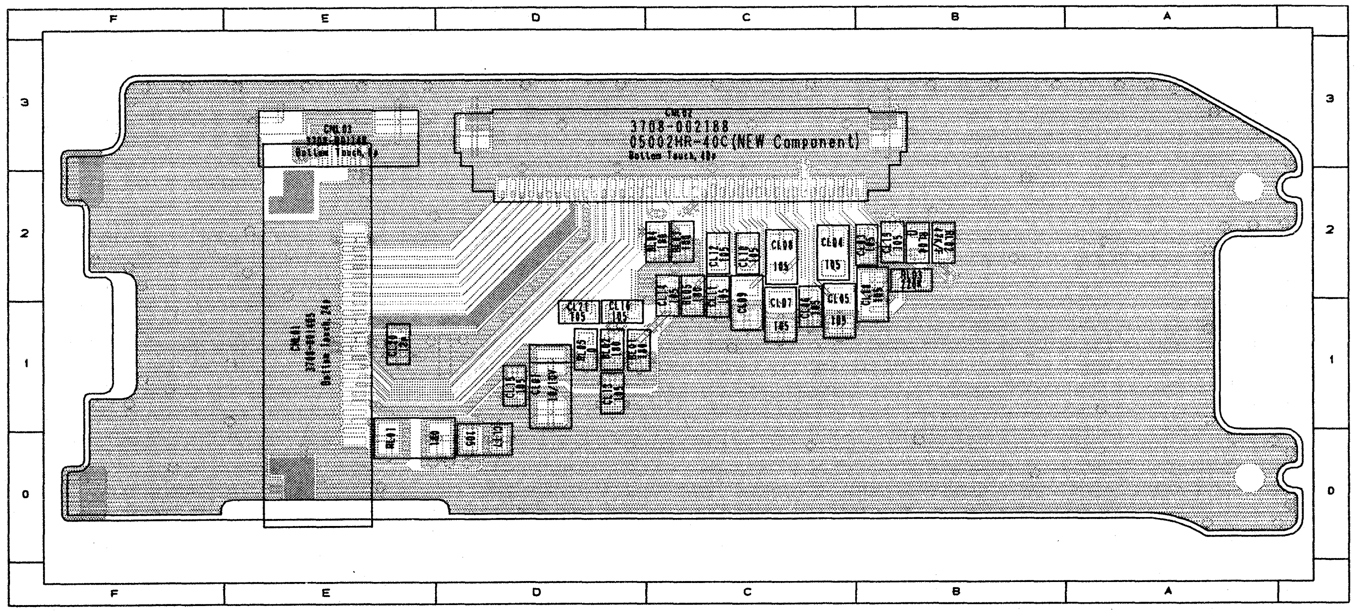
C
B
A
3
2
1
0

CONDUCTOR SIDE

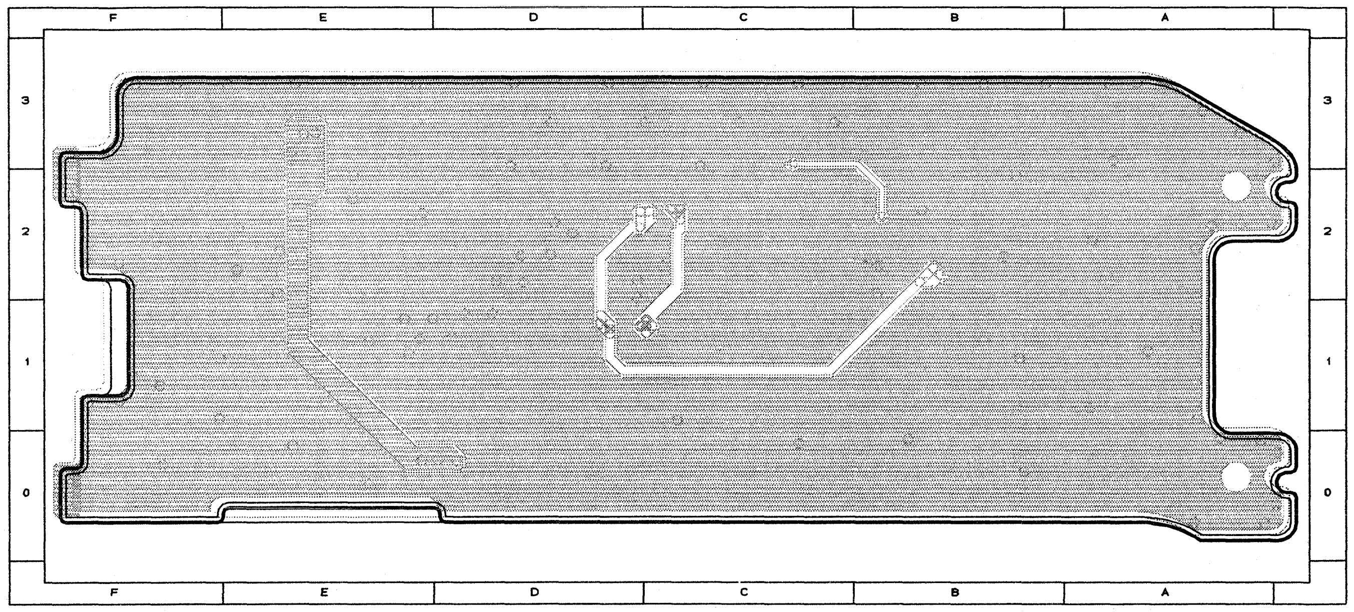

F
E
D
C
B
A
3
2
1
0

9-4 LCD PCB (VP-DC161(I)/DC163(I))

COMPONENT SIDE


F
E
D
C
B
A
3
2
1
0
CNL01
Bottom Touch
CNL02
3708-002188
05002HR-40C(NEW Component)
Bottom Touch, 40p
CNL01
Bottom Touch, 24p
CL08
105
CL04
105
CL07
105
CL05
105
CL21
105
CL16
105
CL12
105
RL01
RL02
RL03
220K
RL05
0
CL09
CL15
105
CL13
CL17
105

CONDUCTOR SIDE


F
E
D
C
B
A
3
2
1
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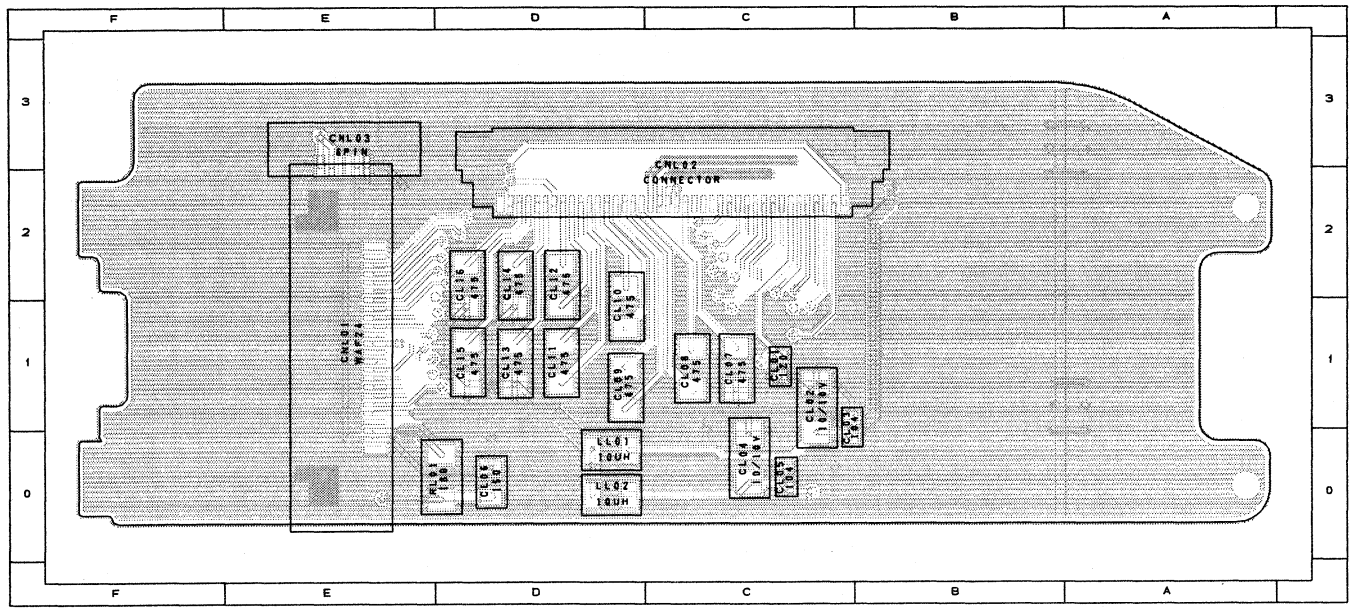
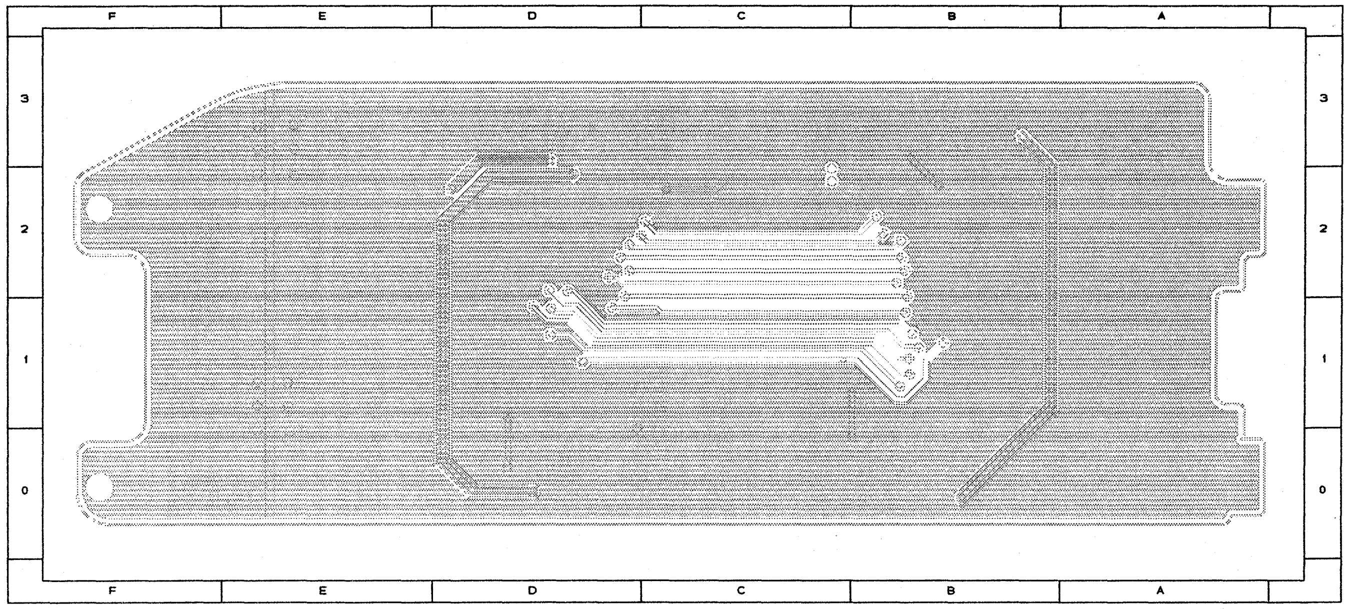
9-5 LCD PCB (VP-DC161W(B)(I)/DC163W(I)/DC165W(B)(I))

COMPONENT SIDE

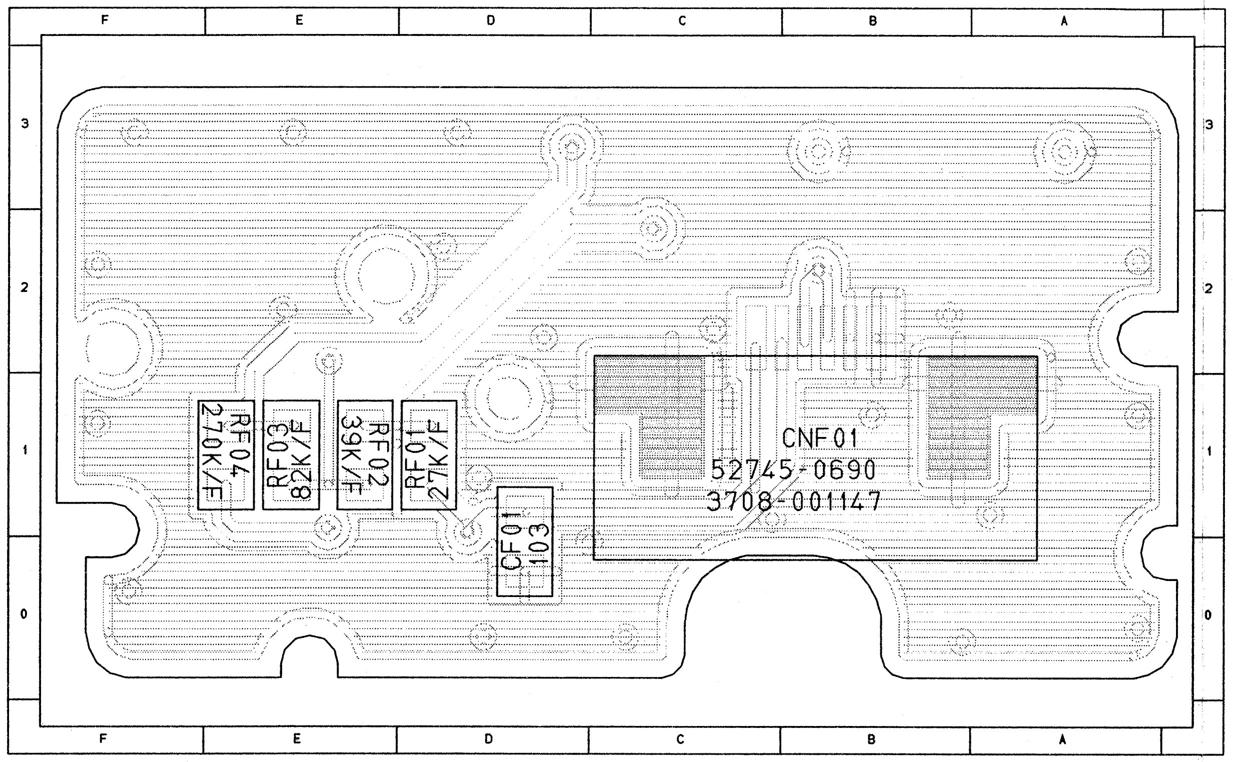

F
E
D
C
B
A
3
2
1
0
CNL03
6PIN
CNL02
CONNECTOR
CNL01
WAF24
CL16
475
CL14
475
CL12
475
CL10
475
CL15
475
CL13
475
CL11
475
CL09
475
CL08
475
CL07
475
CL01
120
CL02
10/10V
CL03
104
CL04
10/10V
CL05
104
CL06
150
RL01
150
LL01
10UH
LL02
10UH

CONDUCTOR SIDE

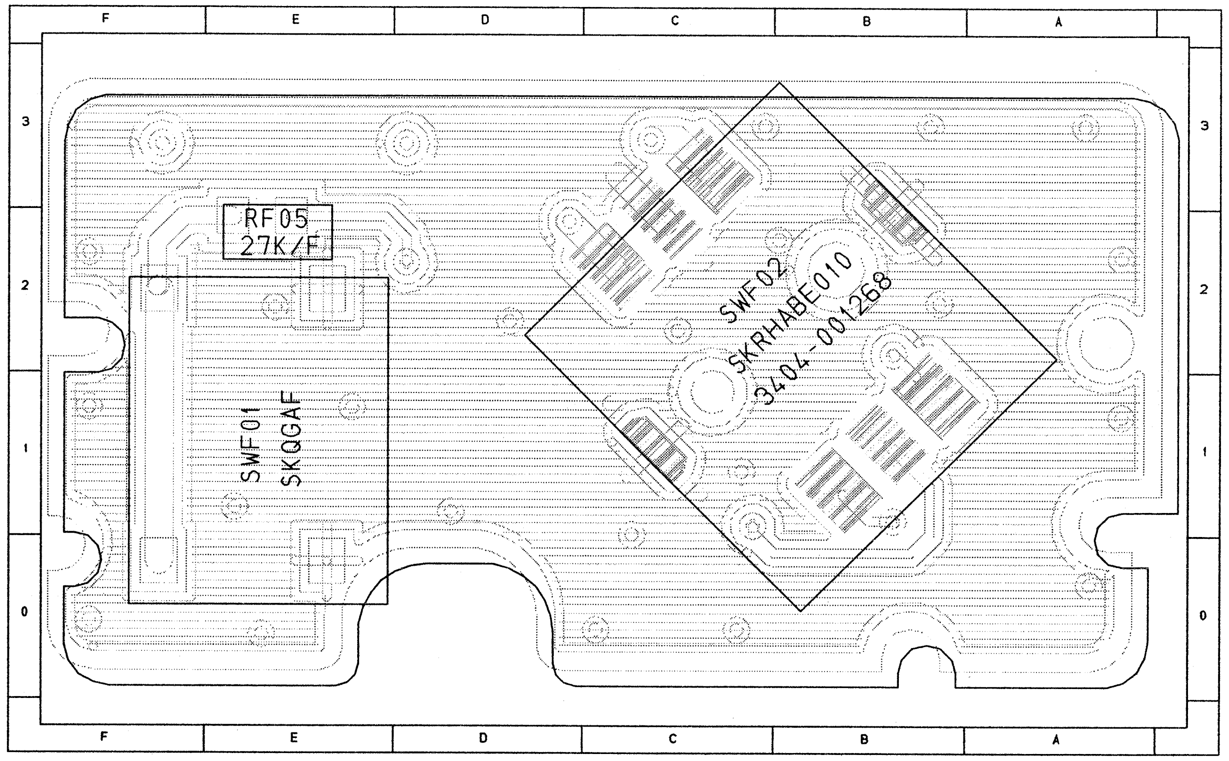

F
E
D
C
B
A
3
2
1
0

9-6 Function PCB

COMPONENT SIDE

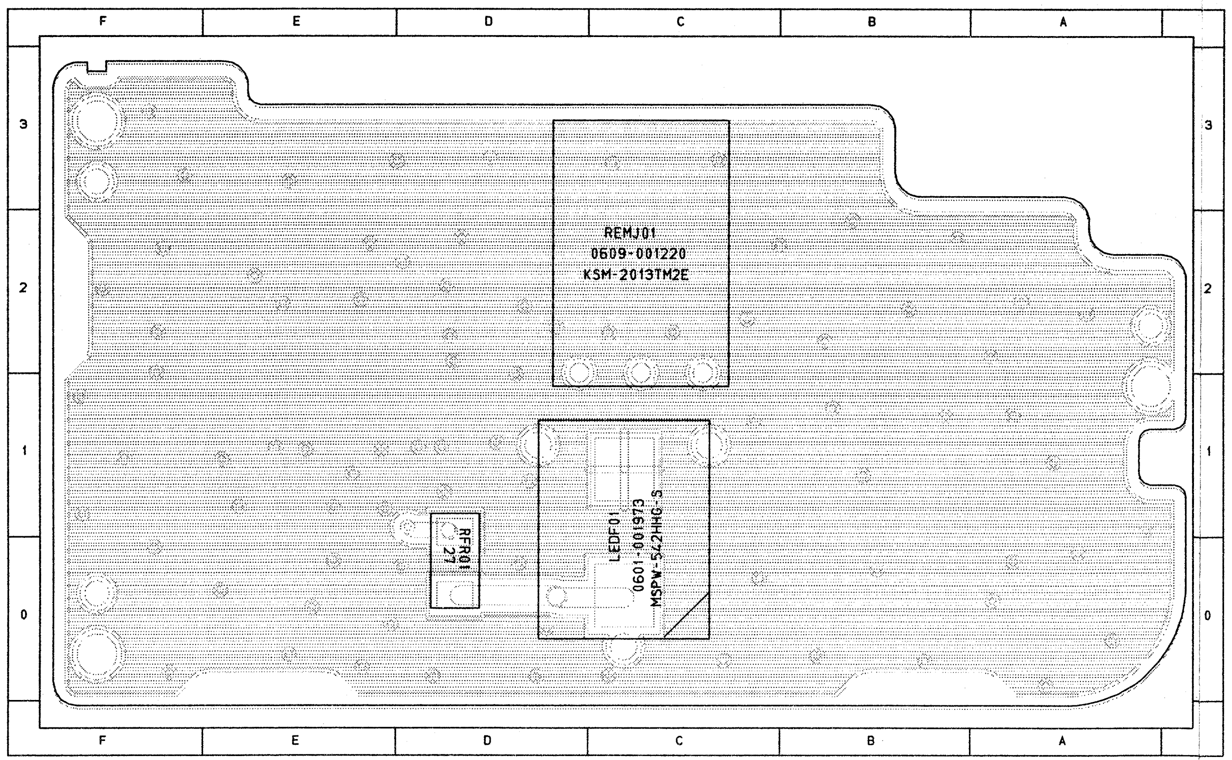

F
E
D
C
B
A
3
2
1
0
RF04
270K/F
RF03
82K/F
RF02
39K/F
RF01
27K/F
CF01
103
CNF01
52745-0690
3708-001147

CONDUCTOR SIDE

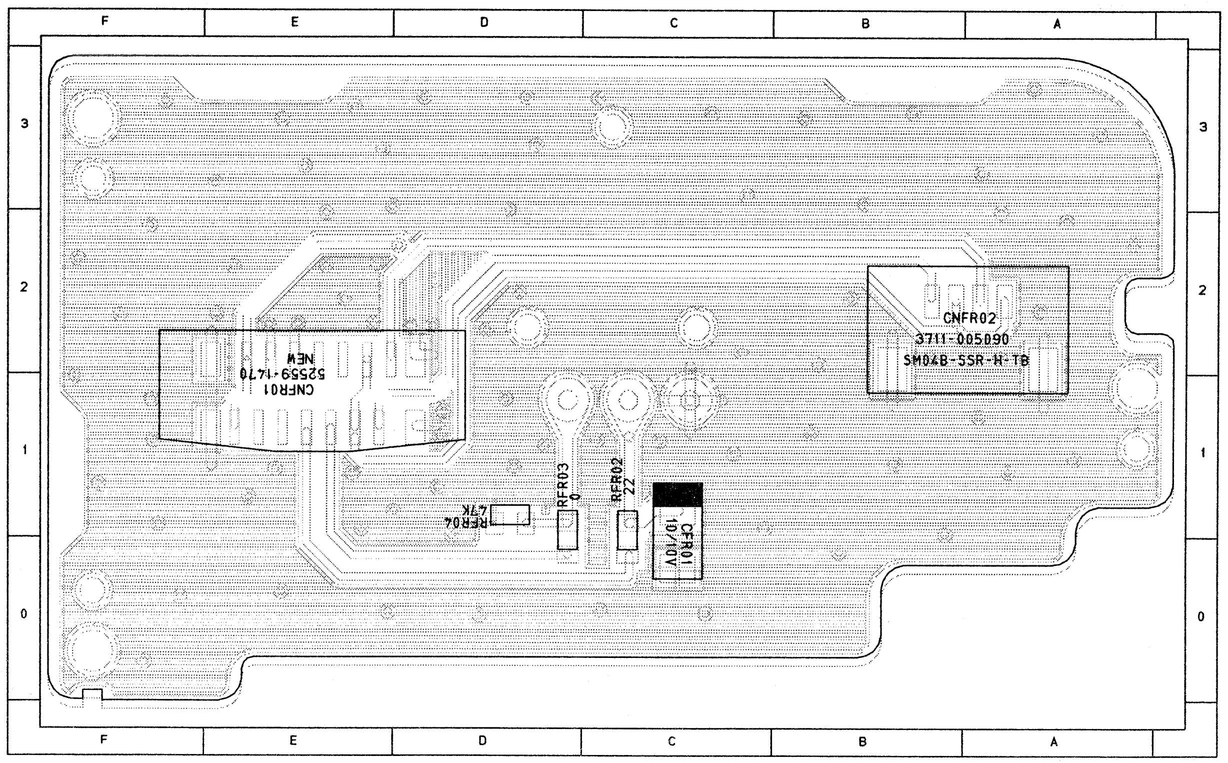

F
E
D
C
B
A
3
2
1
0
RF05
27K/F
SWF01
SKQGAF
SWF02
SKRHABE010
3404-001268

9-7 Front PCB

COMPONENT SIDE

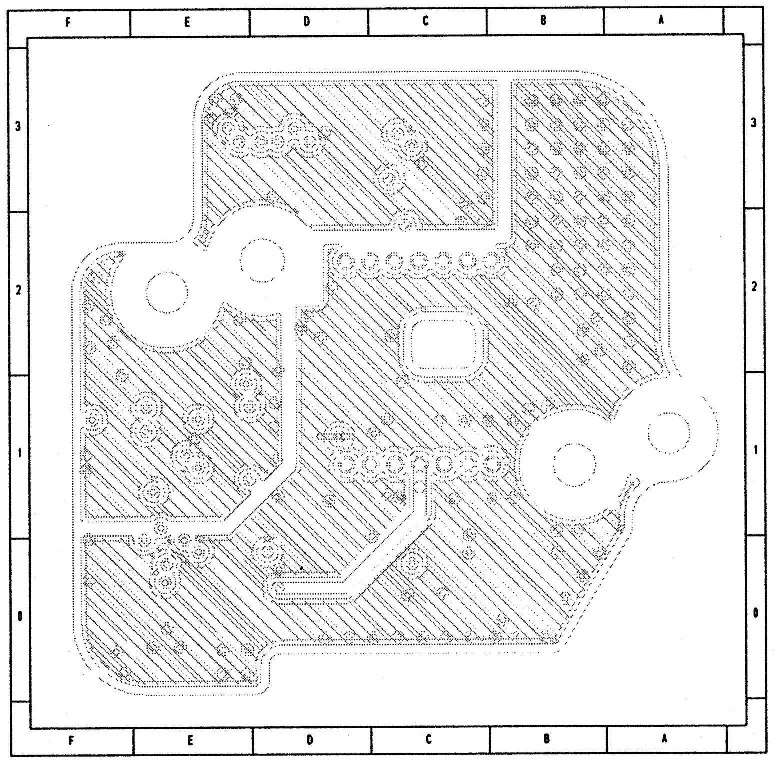

F
E
D
C
B
A
3
2
1
0
REMJ01
0609-001220
KSM-2013TM2E
LEDF01
0601-001973
MSPW-542HHG-S
RFR01
27

CONDUCTOR SIDE

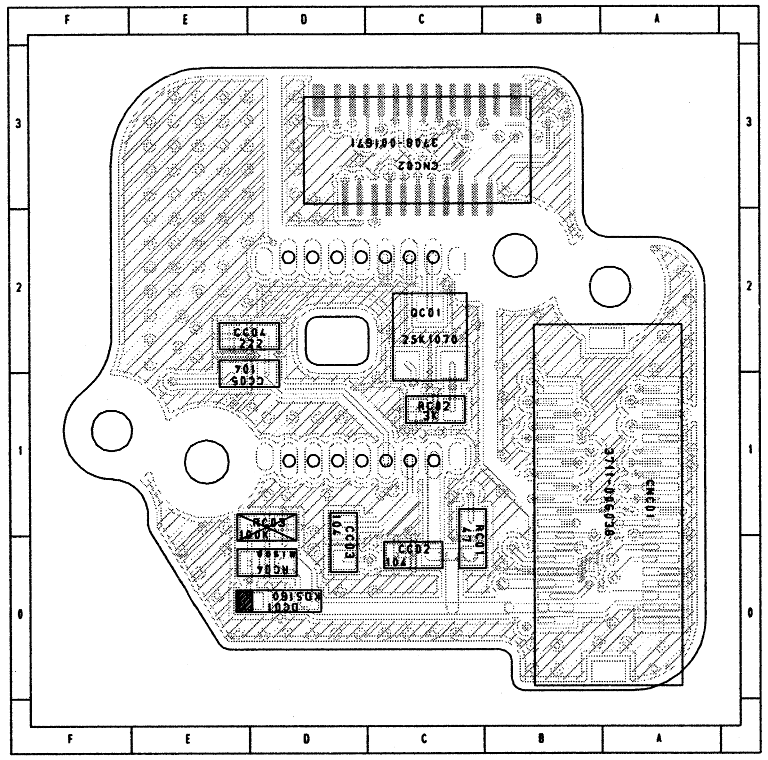

F
E
D
C
B
A
3
2
1
0
CNFR01
52559-1470
NEW
CNFR02
3711-005090
SM04B-SSR-H-TB
RFR04
47K
RFR03
0
RFR02
22
CFR01
10/10V

9-8 CCD PCB

COMPONENT SIDE

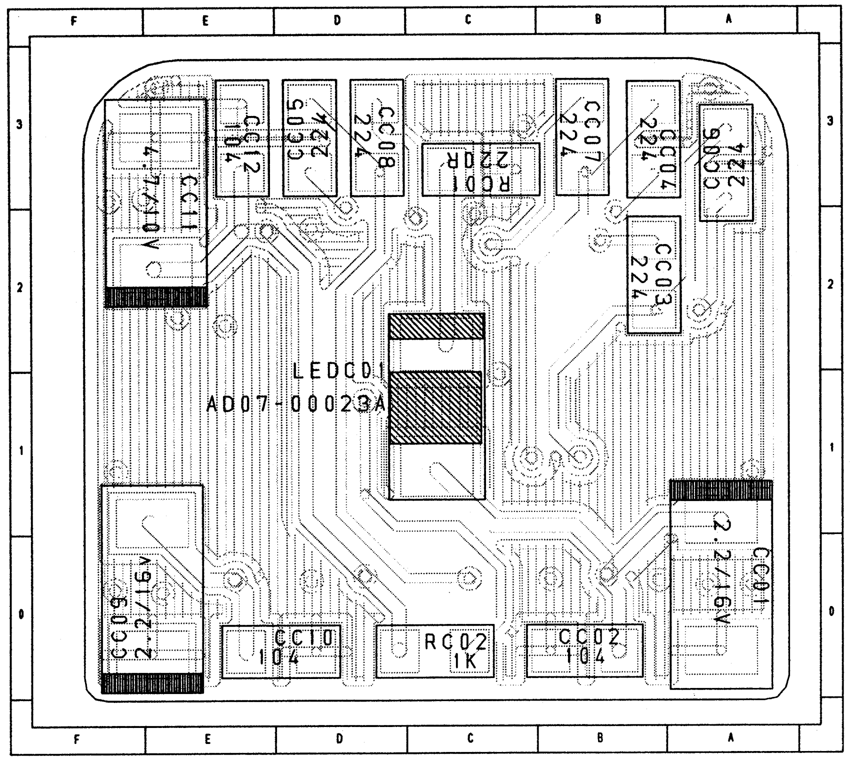

F
E
D
C
B
A
3
2
1
0

CONDUCTOR SIDE

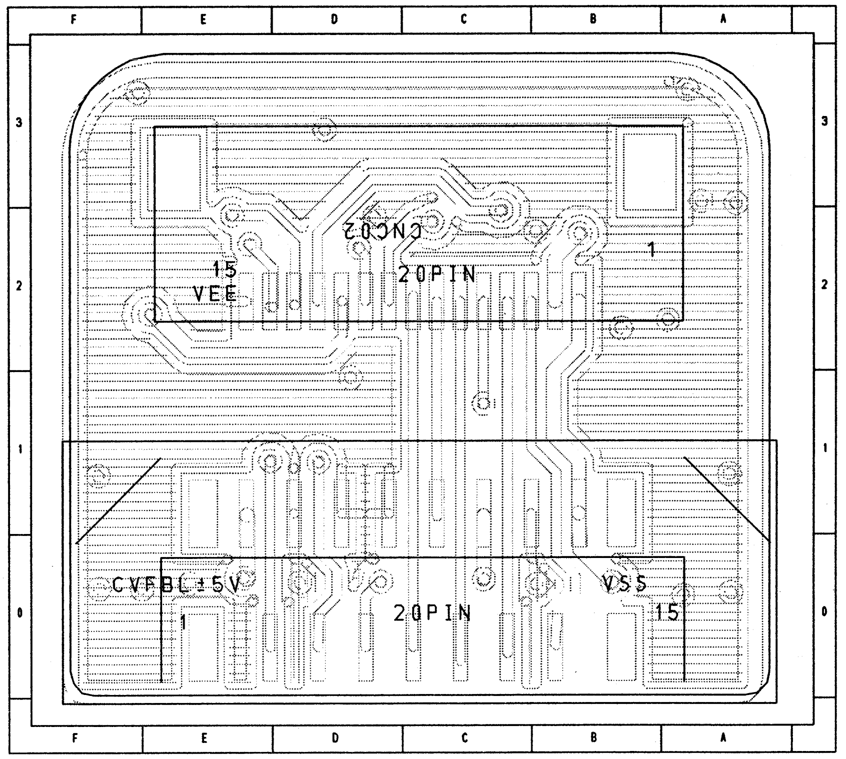

F
E
D
C
B
A
3
2
1
0
CN302
QC01
2SK1070
CC04
222
CC05
RC02
3K
CC03
CC02
104
RC01
CNC01

9-9 CVF PCB

COMPONENT SIDE


F
E
D
C
B
A
3
2
1
0
CC11
4.7/10V
CC12
104
CC05
224
CC08
224
RC01
220R
CC07
224
CC04
224
CC06
224
CC03
224
LEDC01
AD07-00023A
CC09
2.2/16V
CC10
104
RC02
1K
CC02
104
CC01
2.2/16V

CONDUCTOR SIDE


F
E
D
C
B
A
3
2
1
0
CNC02
15
VEE
20PIN
1
CVFBL15V
VSS
1
20PIN
15

10. Schematic Diagrams

10-1 DC/DC (Main PCB) -- 10-2

10-2 Video (Main PCB) -- 10-3

10-3 Audio (Main PCB) -- 10-4

10-4 Encoder (Main PCB) -------------------------------------- 10-5

10-5 Decoder (Main PCB) -------------------------------------- 10-6

10-6 LCD CVF (Main PCB) -------------------------------------- 10-7

10-7 System Micom (Main PCB) --------------------------------- 10-8

10-8 CDS Zoom Motor (Main PCB) ------------------------------- 10-9

10-9 DSP (Main PCB) -- 10-10

10-10 ARM Memory (Main PCB) ---------------------------------- 10-11

10-11 CCD (CCD PCB) -- 10-12

10-12 CVF (CVF PCB) -- 10-13

10-13 Function (Function PCB) -------------------------------- 10-14

10-14 LCD (LCD PCB) (VP-DC161(I)/DC163(I)) ------------------- 10-15

10-15 LCD (LCD PCB) (VP-DC161W(B)(I)/DC163W(I)/DC165W(B)(I)) ------- 10-16

10-16 Rear (Rear PCB) -- 10-17

10-17 Front (Front PCB) -------------------------------------- 10-18

10-18 Left (Left PCB) -- 10-19

Note

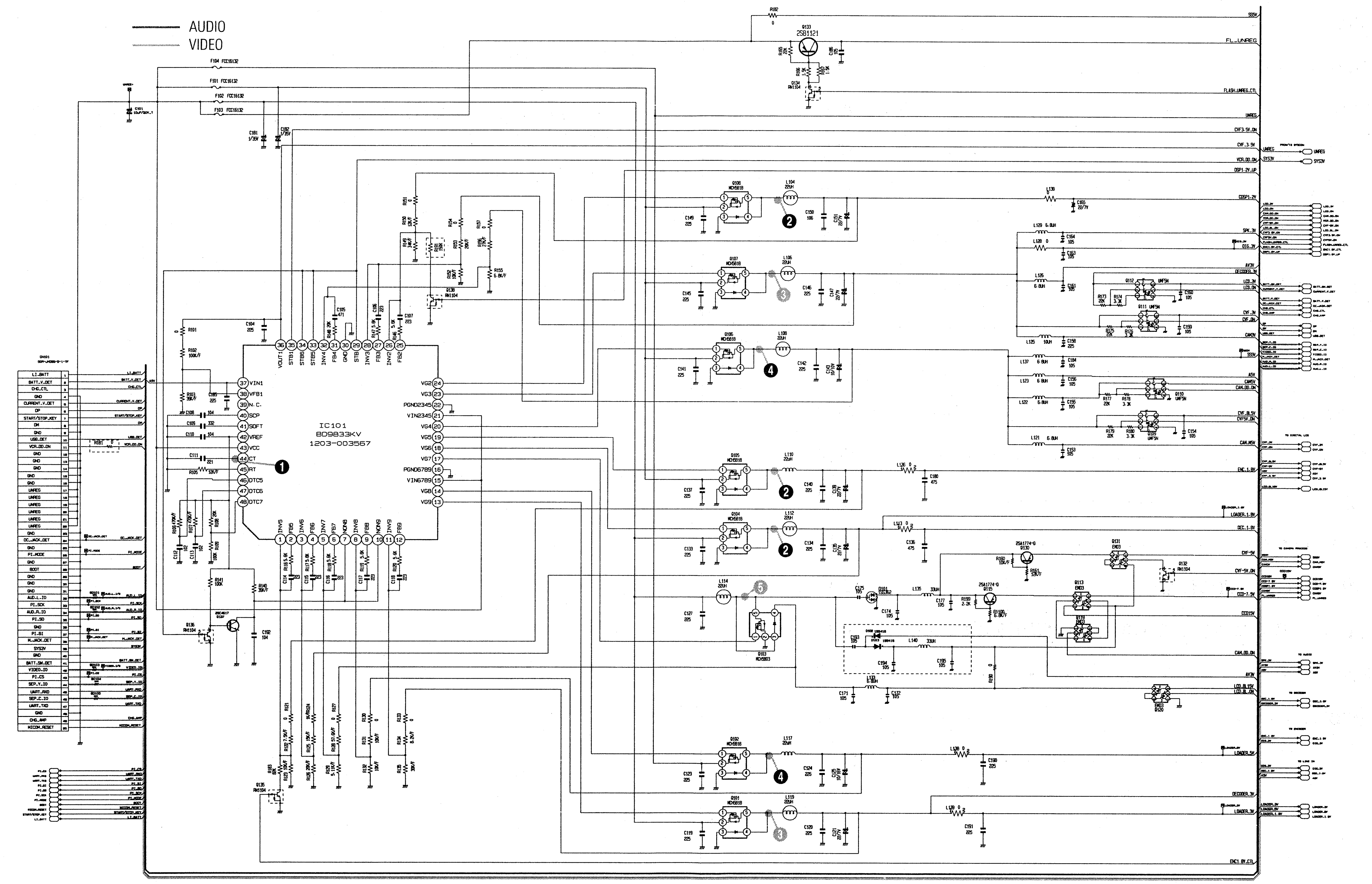
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

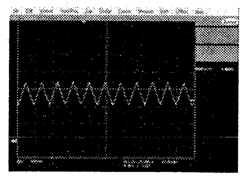
Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

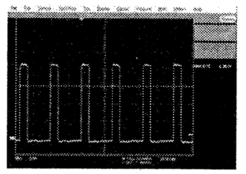
Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components.
Use only the same type.

10-1 DC/DC (Main PCB)

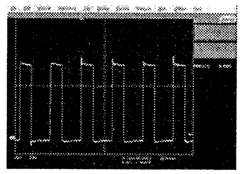

AUDIO
VIDEO
IC101
BD9833KV
1203-003567
Q133
2SB1121
FL_UNREG
①
②
③
④
⑤



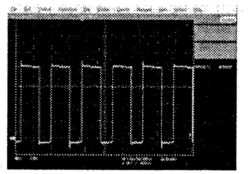
① CLK



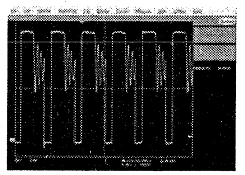
② Q108, Q105, Q104



③ Q107, Q101



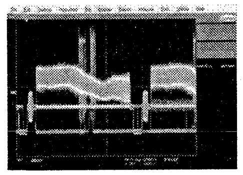
④ Q106, Q102

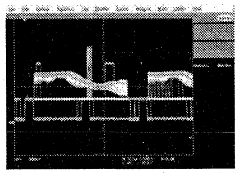


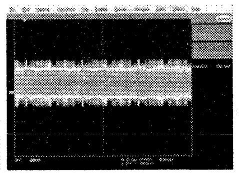
⑤ Q103

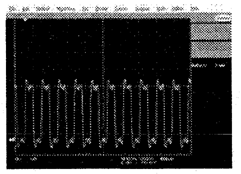
◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/DC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, stc.) among cameras.

10-2 Video (Main PCB)

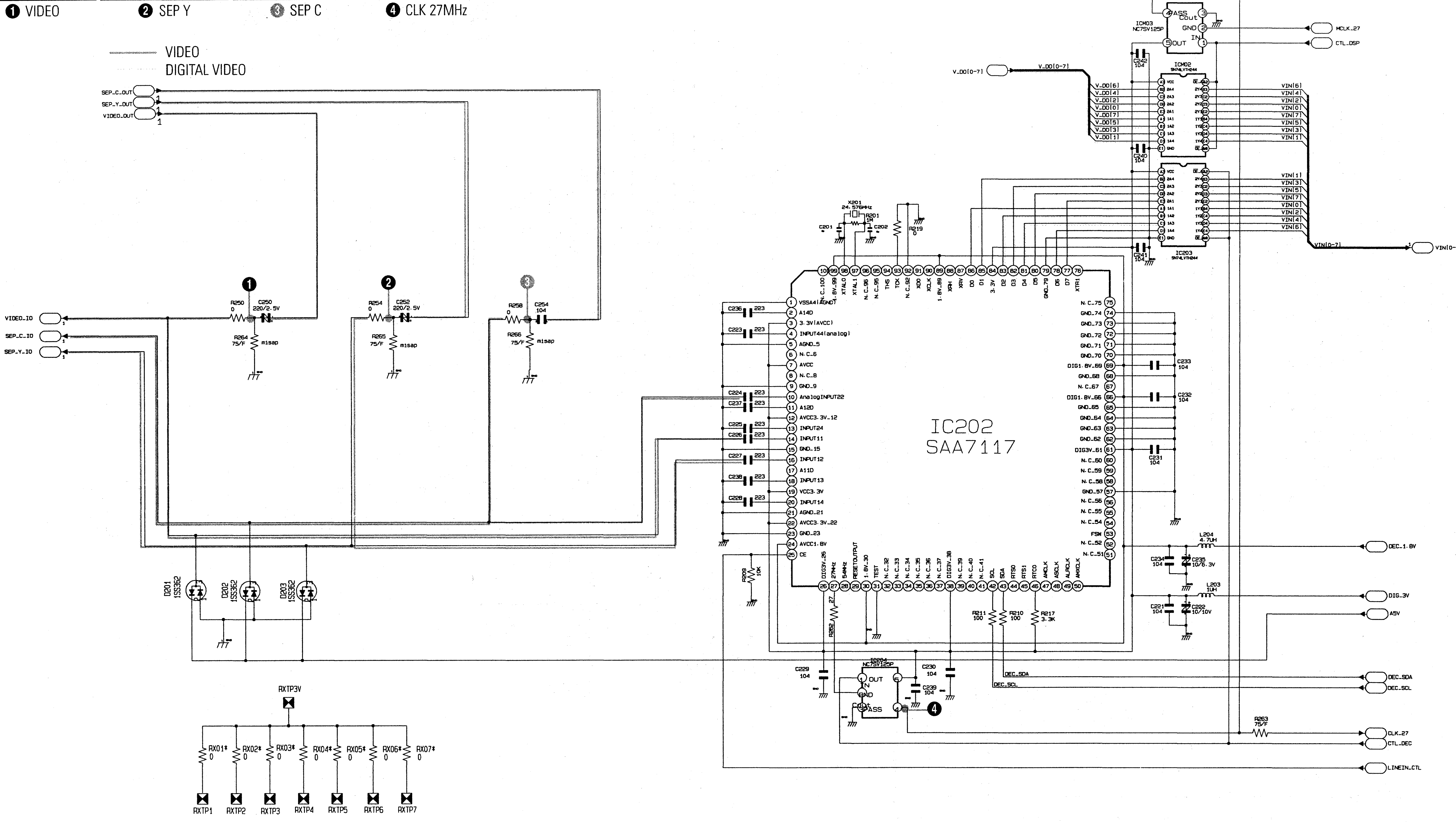

❶ VIDEO


❷ SEP Y


❸ SEP C

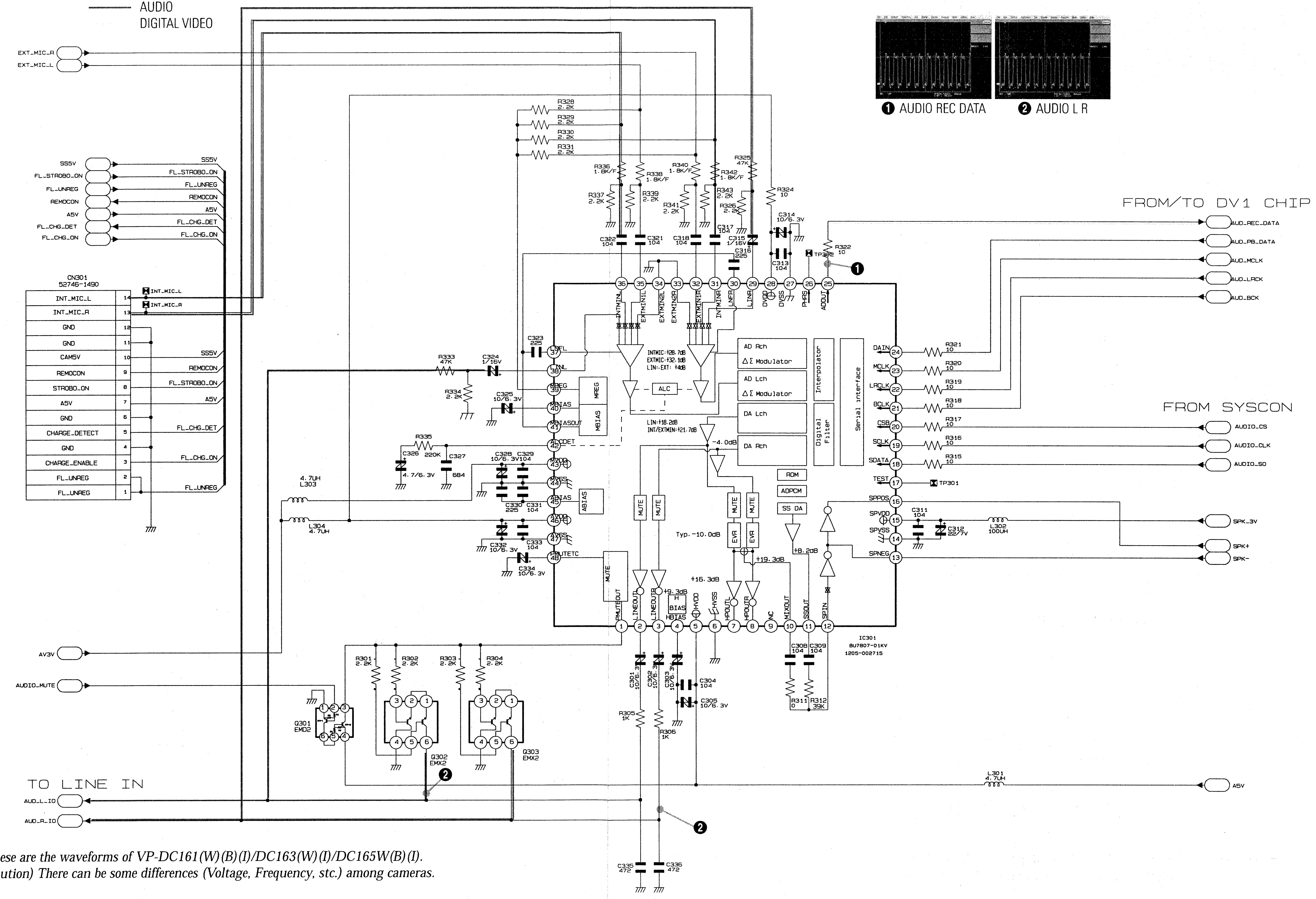

❹ CLK 27MHz

VIDEO
DIGITAL VIDEO


SEP_C_OUT
SEP_Y_OUT
VIDEO_OUT
VIDEO_IO
SEP_C_IO
SEP_Y_IO
R250 0
C250 220/2.5V
R264 75/F
R254 0
C252 220/2.5V
R265 75/F
R258 0
C254 104
R266 75/F
misap
D201 1SS362
D202 1SS362
D203 1SS362
RXTP3V
RX01* 0
RX02* 0
RX03* 0
RX04* 0
RX05* 0
RX06* 0
RX07* 0
RXTP1
RXTP2
RXTP3
RXTP4
RXTP5
RXTP6
RXTP7
IC202
SAA7117
X201 24.576MHz
R201 1M
C201
C202
R219 0
C236 223
C223 223
C224 223
C237 223
C225 223
C226 223
C227 223
C238 223
C228 223
VSSA4(AGND)
A14D
3.3V(AVCC)
INPUT44(analog)
AGND_5
N.C_6
AVCC
N.C_8
GND_9
AnalogINPUT22
A12D
AVCC3.3V_12
INPUT24
INPUT11
GND_15
INPUT12
A11D
INPUT13
VCC3.3V
INPUT14
AGND_21
AVCC3.3V_22
GND_23
AVCC1.8V
CE
N.C_75
GND_74
GND_73
GND_72
GND_71
GND_70
DIG1.8V_69
GND_68
N.C_67
DIG1.8V_66
GND_65
GND_64
GND_63
GND_62
DIG3V_61
N.C_60
N.C_59
N.C_58
GND_57
N.C_56
N.C_55
N.C_54
FSW
N.C_52
N.C_51
C233 104
C232 104
C231 104
R209 10K
R262 27
R211 100
R210 100
R217 3.3K
C229 104
C230 104
C239 104
IC204 NC7SV125P
OUT
IN
GND
Cout
ASS
L204 4.7UH
C234 104
C235 10/6.3V
L203 1UH
C221 104
C222 10/10V
R263 75/F
DEC_SDA
DEC_SCL
DEC_1.8V
DIG_3V
A5V
CLK_27
CTL_DEC
LINEIN_CTL
ICM03 NC7SV125P
MCLK_27
CTL_DSP
C242 104
ICM02
C240 104
IC203
C241 104
V_DO[0-7]
V_DO[6]
V_DO[4]
V_DO[2]
V_DO[0]
V_DO[7]
V_DO[5]
V_DO[3]
V_DO[1]
VIN[6]
VIN[4]
VIN[2]
VIN[0]
VIN[7]
VIN[5]
VIN[3]
VIN[1]
VIN[0-7]

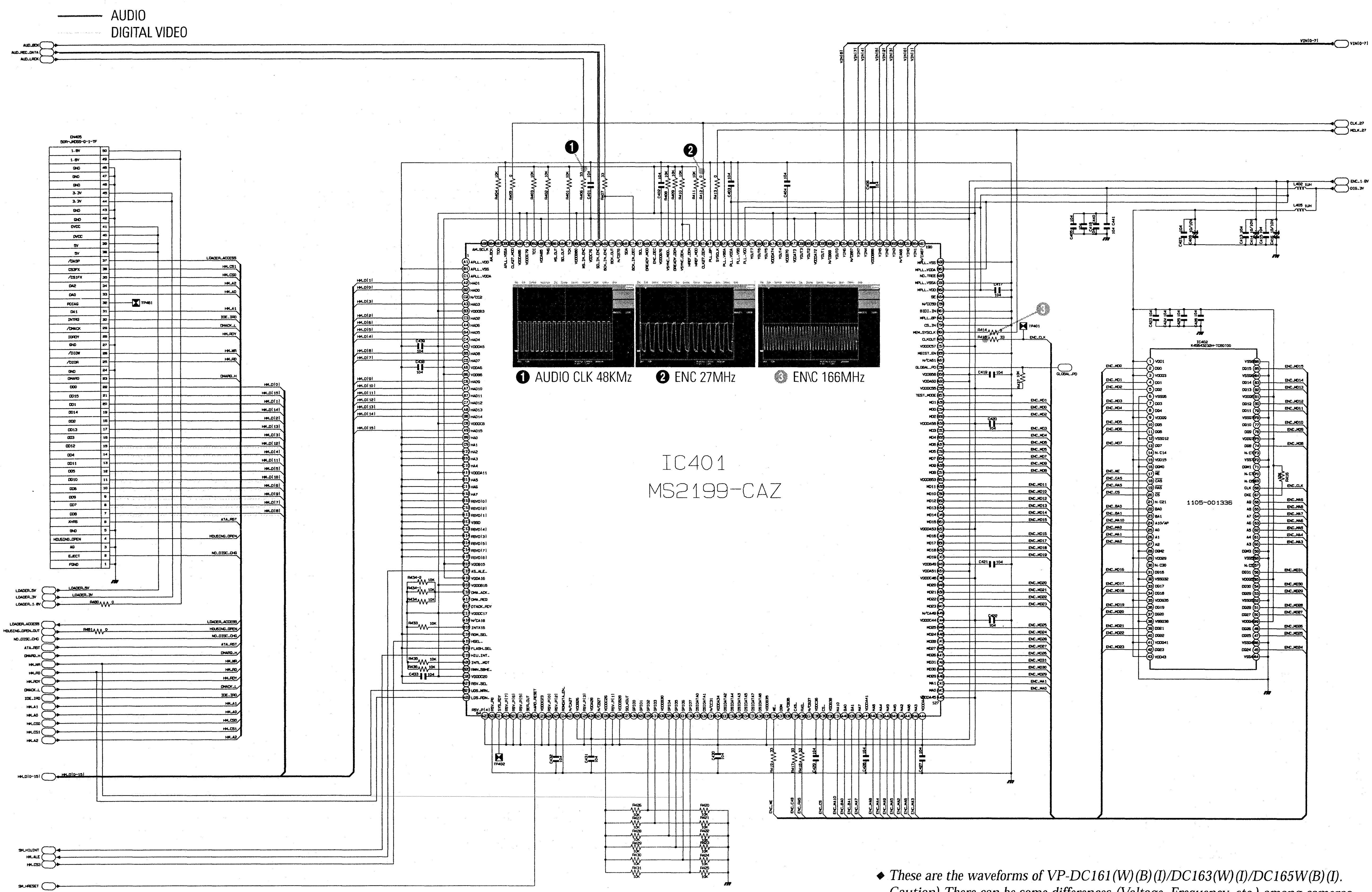
◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/DC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, stc.) among cameras.

10-3 Audio (Main PCB)


AUDIO
DIGITAL VIDEO
❶ AUDIO REC DATA
❷ AUDIO L R
EXT_MIC_R
EXT_MIC_L
SS5V
FL_STROBO_ON
FL_UNREG
REMOCON
A5V
FL_CHG_DET
FL_CHG_ON
CN301
52746-1490
INT_MIC_L
INT_MIC_R
GND
CAM5V
STROBO_ON
CHARGE_DETECT
CHARGE_ENABLE
FL_UNREG
R328 2.2K
R329 2.2K
R330 2.2K
R331 2.2K
R336 1.8K/F
R337 2.2K
R338 1.8K/F
R339 2.2K
R340 1.8K/F
R341 2.2K
R342 1.8K/F
R343 2.2K
R325 47K
R326 2.2K
R324 10
C314 10/6.3V
C322 104
C321 104
C318 104
C317 104
C315 1/16V
C316 225
C313 104
TP302
R322 10
FROM/TO DV1 CHIP
AUD_REC_DATA
AUD_PB_DATA
AUD_MCLK
AUD_LRCK
AUD_BCK
INTMIC+28.7dB
EXTMIC+32.1dB
LIN:-EXT: +4dB
ALC
LIN:+18.2dB
INT/EXTMIN:+21.7dB
-4.0dB
AD Rch
ΔΣ Modulator
AD Lch
DA Lch
DA Rch
Interpolator
Digital Filter
Serial interface
ROM
ADPCM
SS DA
MUTE
EVR
Typ.-10.0dB
+8.2dB
+19.3dB
+16.3dB
+9.3dB
BIAS
MBIAS
ABIAS
MREG
R321 10
R320 10
R319 10
R318 10
R317 10
R316 10
R315 10
FROM SYSCON
AUDIO_CS
AUDIO_CLK
AUDIO_SO
TP301
C311 104
C312 22/7V
L302 100UH
SPK_3V
SPK+
SPK-
C323 225
R333 47K
C324 1/16V
R334 2.2K
C325 10/6.3V
R335
C326 220K
4.7/6.3V
C327 684
C328 10/6.3V
C329 104
C330 225
C331 104
C332 10/6.3V
C333 104
C334 10/6.3V
4.7UH L303
L304 4.7UH
IC301
BU7807-01KV
1205-002715
C308 104
C309 104
R311 0
R312 39K
C301 10/6.3V
C302 10/6.3V
C303 10/6.3V
C304 104
C305 10/6.3V
R305 1K
R306 1K
R301 2.2K
R302 2.2K
R303 2.2K
R304 2.2K
Q301 EMD2
Q302 EMX2
Q303 EMX2
AV3V
AUDIO_MUTE
TO LINE IN
AUD_L_IO
AUD_R_IO
L301 4.7UH
A5V
C335 472
C336 472

◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/DC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, stc.) among cameras.

10-4 Encoder (Main PCB)

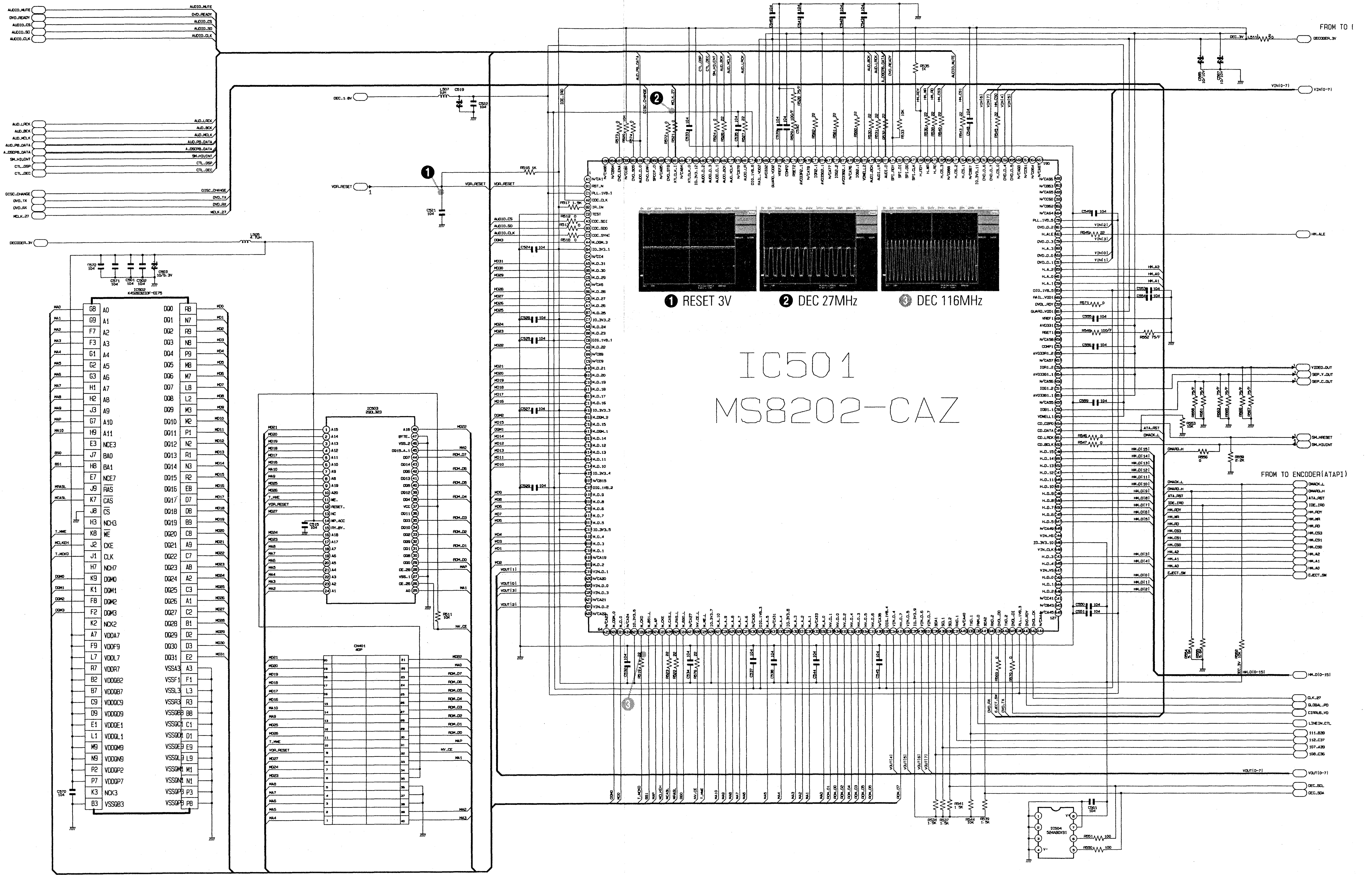

AUDIO
DIGITAL VIDEO
IC401
MS2199-CAZ
❶ AUDIO CLK 48KMz
❷ ENC 27MHz
❸ EN\C 166MHz
1105-001336
CN405
TP401
TP402
TP481
ENC_1.8V
DIG_3V
CLK_27
MCLK_27
VIN[0-7]
HA_D[0-15]
GLOBAL_PD

◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/DC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, stc.) among cameras.

10-5 Decoder (Main PCB)

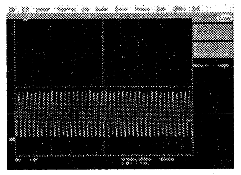
◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/DC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, etc.) among cameras.

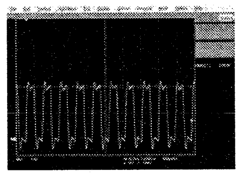
AUDIO
VIDEO
DIGITAL VIDEO

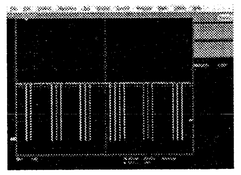


IC501
MS8202-CAZ
① RESET 3V
② DEC 27MHz
③ DEC 116MHz
IC502
IC503
CN401
40P
IC504
FROM TO I
FROM TO ENCODER(ATAPI)
DECODER_3V
VIN[0-7]
VOUT[0-7]

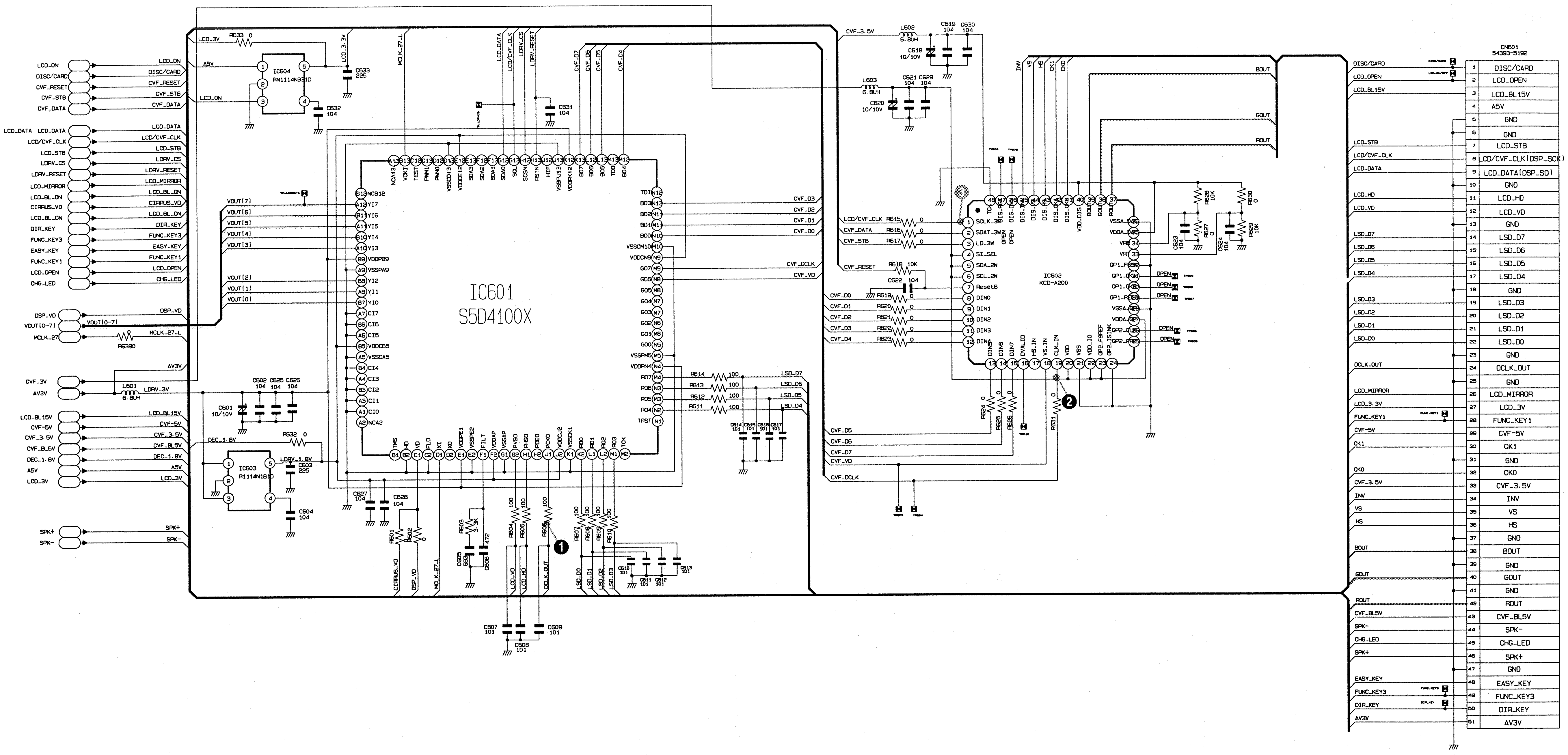
10-6 LCD CVF (Main PCB)


❶ LCD 10.6MHz


❷ CVF 27MHz

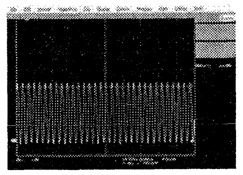

❸ LCD CVF CLOCK

VIDEO
DIGITAL VIDEO

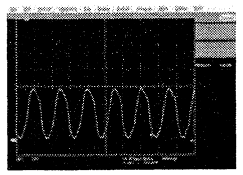

IC601
S5D4100X
IC602
KCD-A200
IC603
R1114N181D
IC604
RN1114N331D
CN601
54393-5192
1 DISC/CARD
2 LCD_OPEN
3 LCD_BL15V
4 A5V
5 GND
6 GND
7 LCD_STB
8 LCD/CVF_CLK(DSP_SCK)
9 LCD_DATA(DSP_SO)
10 GND
11 LCD_HD
12 LCD_VD
13 GND
14 LSD_D7
15 LSD_D6
16 LSD_D5
17 LSD_D4
18 GND
19 LSD_D3
20 LSD_D2
21 LSD_D1
22 LSD_D0
23 GND
24 DCLK_OUT
25 GND
26 LCD_MIRROR
27 LCD_3V
28 FUNC_KEY1
29 CVF-5V
30 CK1
31 GND
32 CK0
33 CVF_3.5V
34 INV
35 VS
36 HS
37 GND
38 BOUT
39 GND
40 GOUT
41 GND
42 ROUT
43 CVF_BL5V
44 SPK-
45 CHG_LED
46 SPK+
47 GND
48 EASY_KEY
49 FUNC_KEY3
50 DIR_KEY
51 AV3V
LCD_ON
DISC/CARD
CVF_RESET
CVF_STB
CVF_DATA
LCD_DATA
LCD/CVF_CLK
LCD_STB
LDRV_CS
LDRV_RESET
LCD_MIRROR
LCD_BL_ON
CIRRUS_VD
DIR_KEY
FUNC_KEY3
EASY_KEY
FUNC_KEY1
LCD_OPEN
CHG_LED
DSP_VD
VOUT[0-7]
MCLK_27
CVF_3V
AV3V
LCD_BL15V
CVF-5V
CVF_3.5V
CVF_BL5V
DEC_1.8V
A5V
LCD_3V
SPK+
SPK-
❶
❷
❸

◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/DC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, stc.) among cameras.

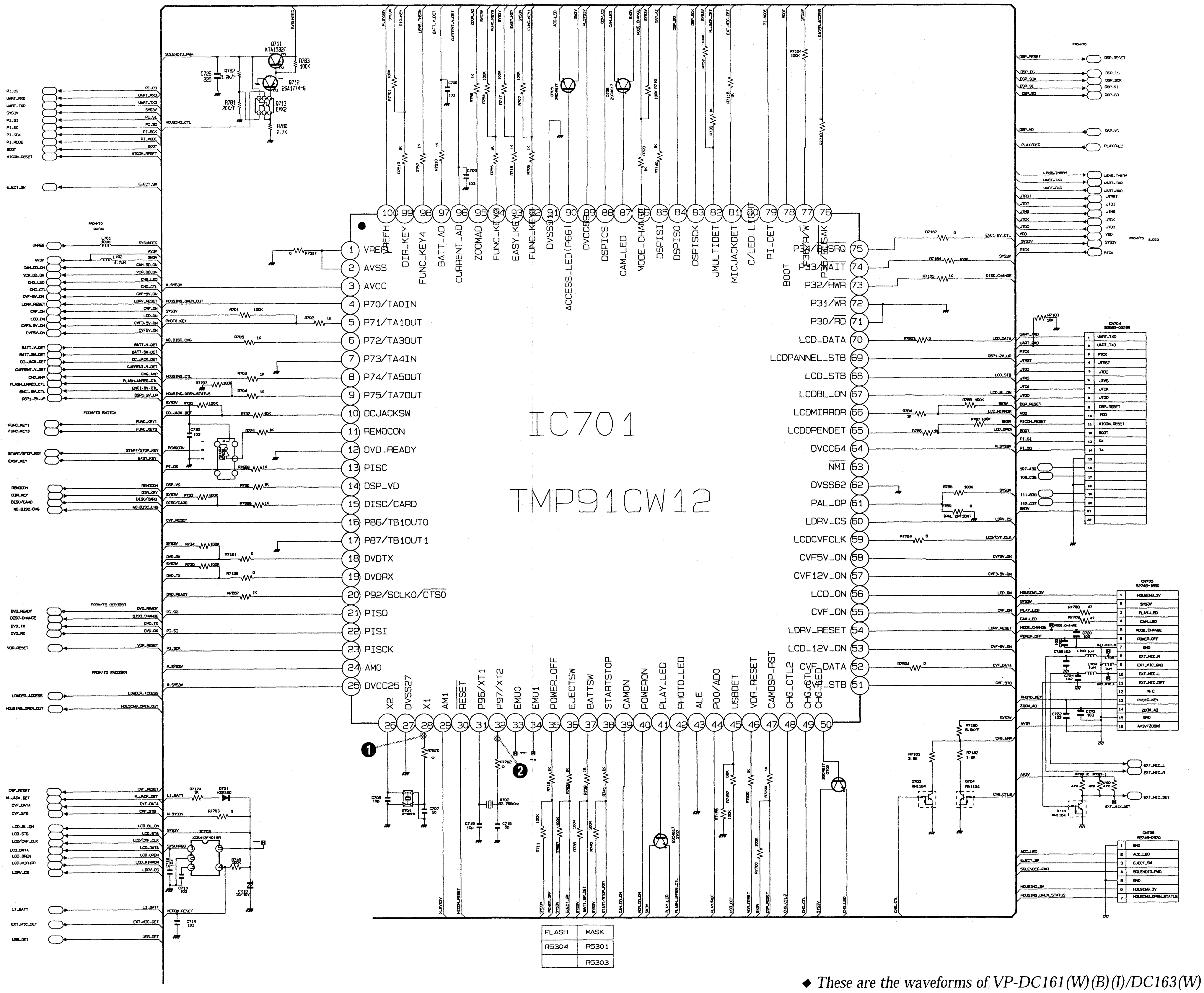
10-7 System Micom (Main PCB)



❶ 16MHz



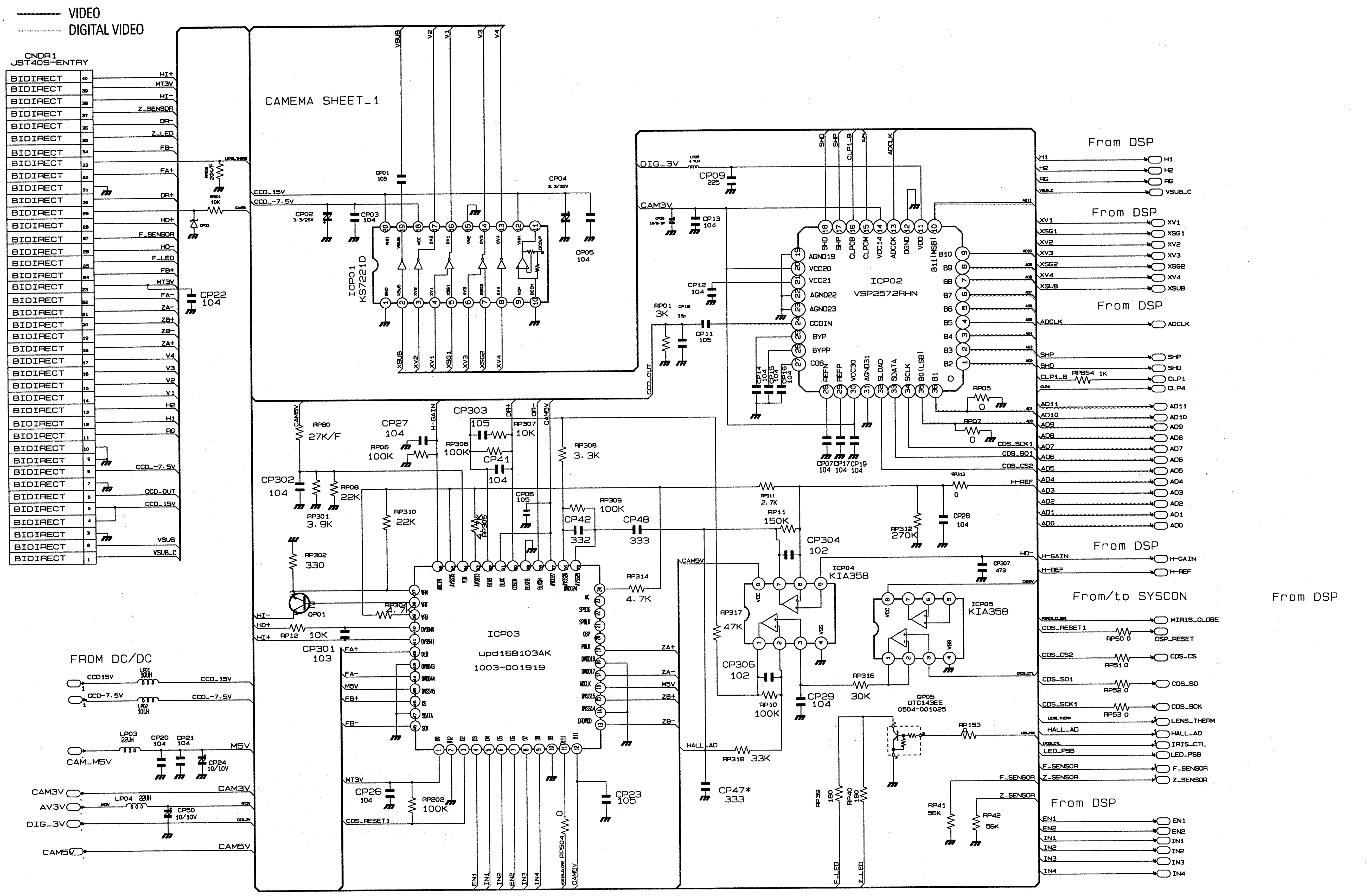
❷ 32.768KHz


IC701
TMP91CW12
1 VREF
2 AVSS
3 AVCC
4 P70/TA0IN
5 P71/TA1OUT
6 P72/TA3OUT
7 P73/TA4IN
8 P74/TA5OUT
9 P75/TA7OUT
10 DCJACKSW
11 REMOCON
12 DVD_READY
13 PISC
14 DSP_VD
15 DISC/CARD
16 P86/TB1OUT0
17 P87/TB1OUT1
18 DVDTX
19 DVDRX
20 P92/SCLK0/CTS0
21 PISO
22 PISI
23 PISCK
24 AMO
25 DVCC25
26 X2
27 DVSS27
28 X1
29 AM1
30 RESET
31 P96/XT1
32 P97/XT2
33 EMU0
34 EMU1
35 POWER_OFF
36 EJECTSW
37 BATTSW
38 STARTSTOP
39 CAMON
40 POWERON
41 PLAY_LED
42 PHOTO_LED
43 ALE
44 P00/AD0
45 USBDET
46 VDR_RESET
47 CAMDSP_RST
48 CHG_CTL2
49 CHG_CTL
50 CHG_LED
51 CVF_STB
52 CVF_DATA
53 LCD_12V_ON
54 LDRV_RESET
55 CVF_ON
56 LCD_ON
57 CVF12V_ON
58 CVF5V_ON
59 LCDCVFCLK
60 LDRV_CS
61 PAL_OP
62 DVSS62
63 NMI
64 DVCC64
65 LCDOPENDET
66 LCDMIRROR
67 LCDBL_ON
68 LCD_STB
69 LCDPANNEL_STB
70 LCD_DATA
71 P30/RD
72 P31/WR
73 P32/HWR
74 P33/WAIT
75 P34/BUSRQ
79 PI_DET
80 C/LED_L
81 MICJACKDET
82 JMULTIDET
83 DSPISCK
84 DSPISO
85 DSPISI
86 MODE_CHANGE
87 CAM_LED
88 DSPICS
89 DVCC89
90 ACCESS_LED(P66)
91 DVSS91
92 FUNC_KEY
93 EASY_KEY
94 FUNC_KEY
95 ZOOMAD
96 CURRENT_AD
97 BATT_AD
98 FUNC_KEY4
99 DIR_KEY
100 VREFH
BOOT
❶
❷
Q711 KTA1532T
Q712 2SA1774-Q
Q713 EM2
R783 100K
R780 2.7K
C725 225
CN704
CN705
CN706

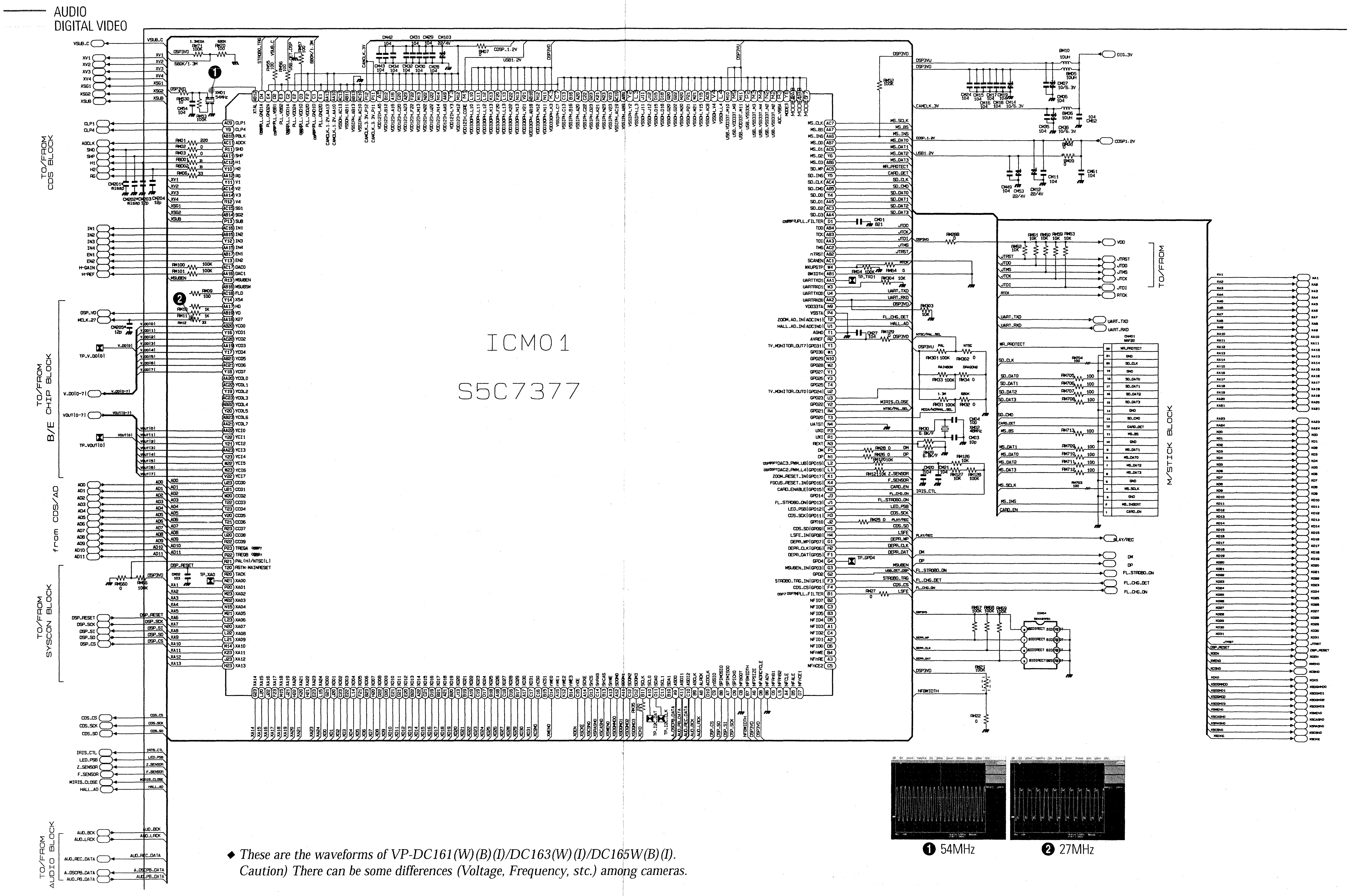
FLASH	MASK
R5304	R5301
	R5303

◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/CC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, stc.) among cameras.

10-8 CDS Zoom Motor (Main PCB)

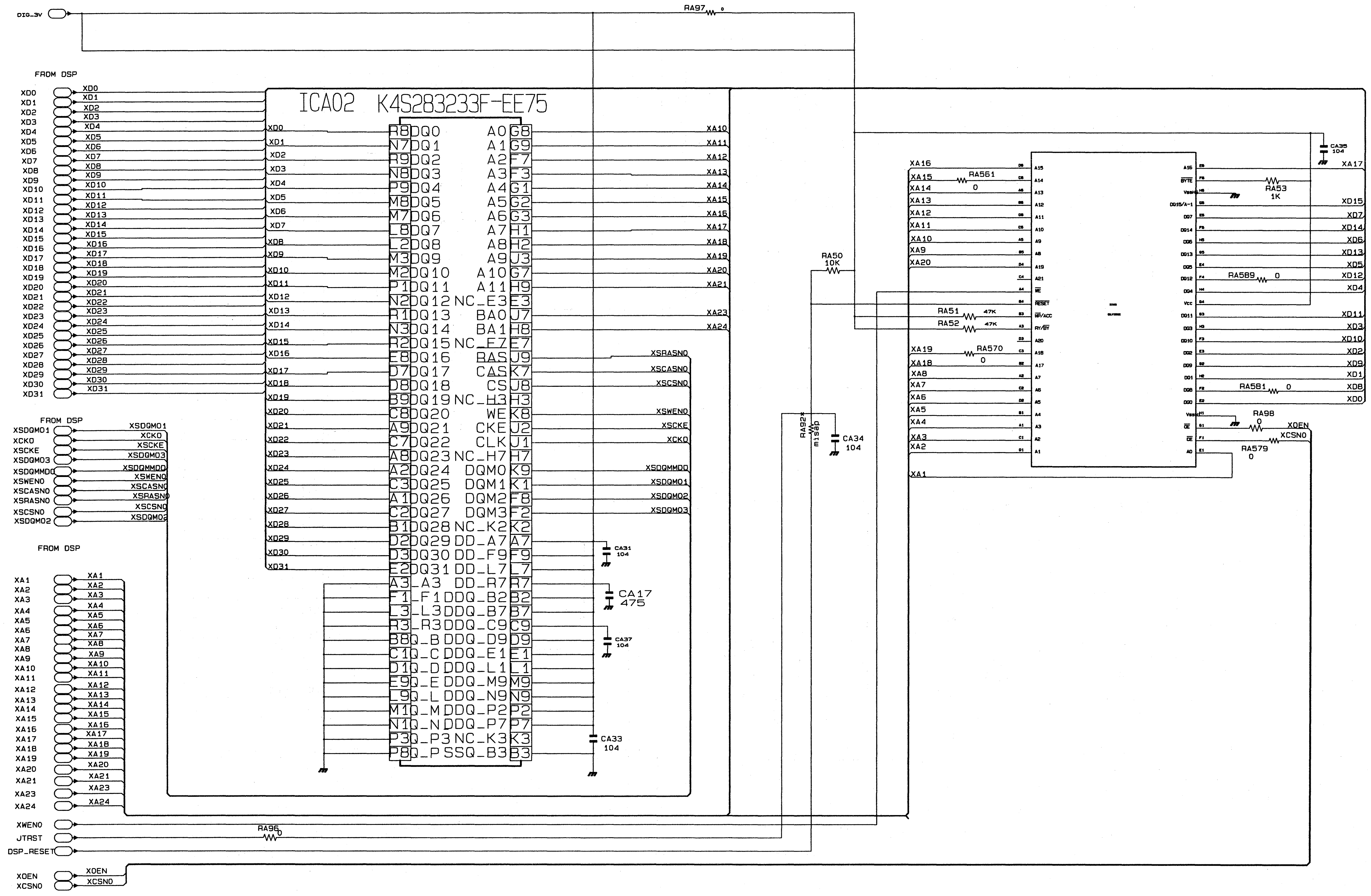

VIDEO
DIGITAL VIDEO
CNDR1
JST40S-ENTRY
BIDIRECT
CAMEMA SHEET_1
ICP01
KS7221D
ICP02
VSP2572RHN
ICP03
upd168103AK
1003-001919
ICP04
KIA358
ICP05
KIA358
QP01
QP05
DTC143EE
0504-001025
From DSP
From/to SYSCON
FROM DC/DC
CCD15V
CCD-7.5V
CAM_M5V
CAM3V
AV3V
DIG_3V
CAM5V
H1
H2
RG
VSUB_C
XV1
XSG1
XV2
XV3
XSG2
XV4
XSUB
ADCLK
SHP
SHD
CLP1
CLP4
AD11
AD10
AD9
AD8
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
H-GAIN
H-REF
MIRIS_CLOSE
DSP_RESET
CDS_CS
CDS_SO
CDS_SCK
LENS_THERM
HALL_AD
IRIS_CTL
LED_PSB
F_SENSOR
Z_SENSOR
EN1
EN2
IN1
IN2
IN3
IN4
HI+
MT3V
HI-
Z_SENSOR
DR-
Z_LED
FB-
FA+
DR+
HO+
F_SENSOR
HO-
F_LED
FB+
FA-
ZA-
ZB+
ZB-
ZA+
V4
V3
V2
V1
CCD_OUT
CCD_15V
CCD_-7.5V
VSUB
M5V

10-9 DSP (Main PCB)

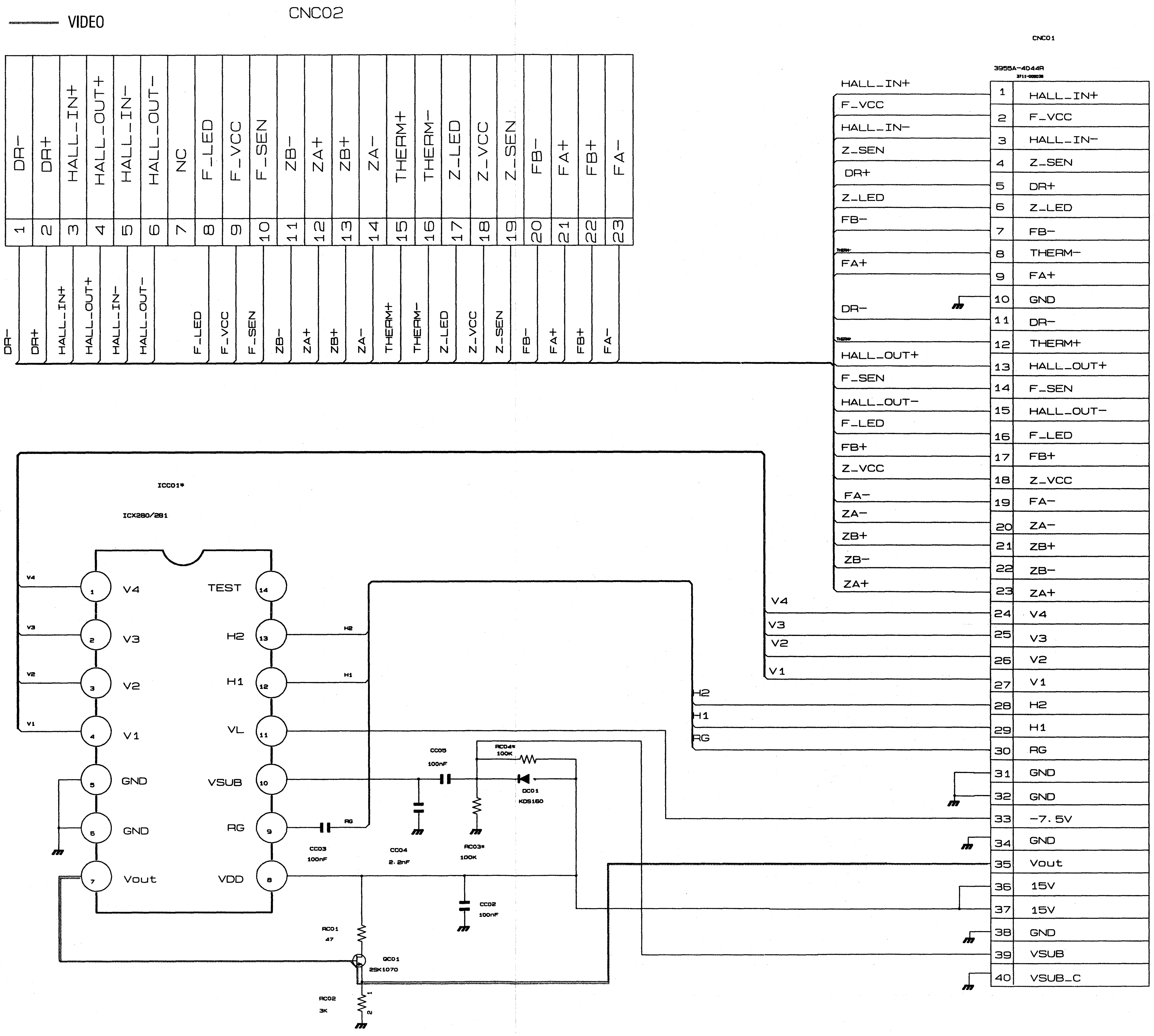

AUDIO
DIGITAL VIDEO
ICM01
S5C7377
TO/FROM CDS BLOCK
TO/FROM B/E CHIP BLOCK
from CDS/AD
TO/FROM SYSCON BLOCK
TO/FROM AUDIO BLOCK
TO/FROM M/STICK BLOCK
VSUB_C
XV1
XV2
XV3
XV4
XSG1
XSG2
XSUB
CLP1
CLP4
ADCLK
SHD
SHP
H1
H2
RG
IN1
IN2
IN3
IN4
EN1
EN2
H-GAIN
H-REF
DSP_VD
MCLK_27
TP_V_DD[0]
V_DD[0-7]
VOUT[0-7]
TP_VOUT[0]
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7
AD8
AD9
AD10
AD11
DSP_RESET
DSP_SCK
DSP_SI
DSP_SO
DSP_CS
CDS_CS
CDS_SCK
CDS_SD
IRIS_CTL
LED_PSB
Z_SENSOR
F_SENSOR
MIRIS_CLOSE
HALL_AD
AUD_BCK
AUD_LRCK
AUD_REC_DATA
AUD_PB_DATA
DIG_3V
CDSP1_2V
VDD
JTRST
JTDO
JTMS
JTCK
JTDI
RTCK
UART_TXD
UART_RXD
PLAY/REC
DM
DP
FL_STROBO_ON
FL_CHG_DET
FL_CHG_ON
❶
❷
❶ 54MHz
❷ 27MHz

◆ *These are the waveforms of VP-DC161(W)(B)(I)/DC163(W)(I)/DC165W(B)(I).*
Caution) There can be some differences (Voltage, Frequency, stc.) among cameras.

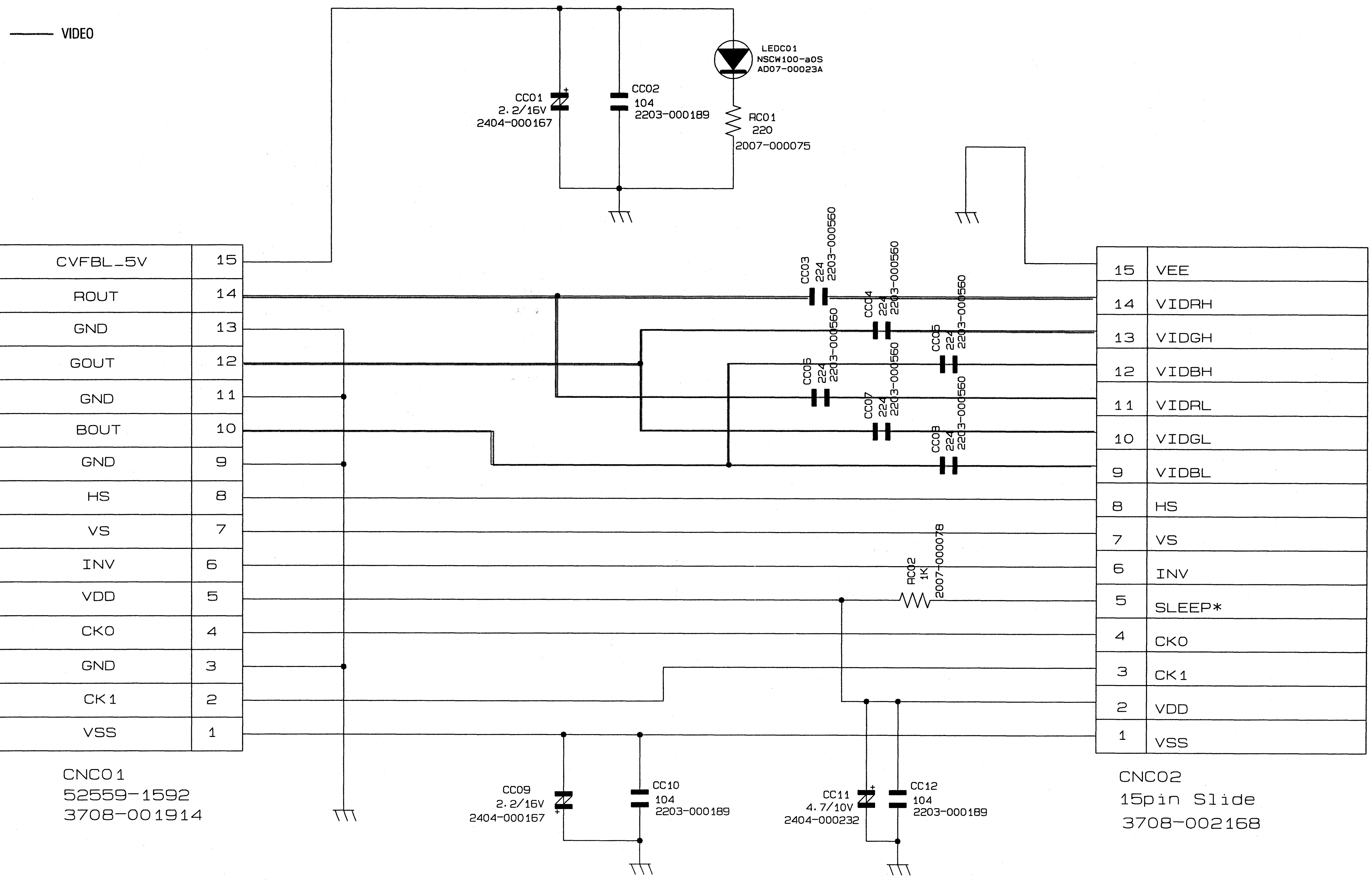
10-10 ARM Memory (Main PCB)


DIG_3V
RA97 0
FROM DSP
XD0
XD1
XD2
XD3
XD4
XD5
XD6
XD7
XD8
XD9
XD10
XD11
XD12
XD13
XD14
XD15
XD16
XD17
XD18
XD19
XD20
XD21
XD22
XD23
XD24
XD25
XD26
XD27
XD28
XD29
XD30
XD31
ICA02 K4S283233F-EE75
XSDQMO1
XCKO
XSCKE
XSDQMO3
XSDQMMDO
XSWENO
XSCASNO
XSRASNO
XSCSNO
XSDQMO2
XA1
XA2
XA3
XA4
XA5
XA6
XA7
XA8
XA9
XA10
XA11
XA12
XA13
XA14
XA15
XA16
XA17
XA18
XA19
XA20
XA21
XA23
XA24
XWENO
JTRST
DSP_RESET
XOEN
XCSNO
RA96 0
CA31 104
CA17 475
CA37 104
CA33 104
RA50 10K
RA92 misap
CA34 104
RA561 0
RA51 47K
RA52 47K
RA570 0
CA35 104
RA53 1K
RA589 0
RA581 0
RA98 0
RA579 0

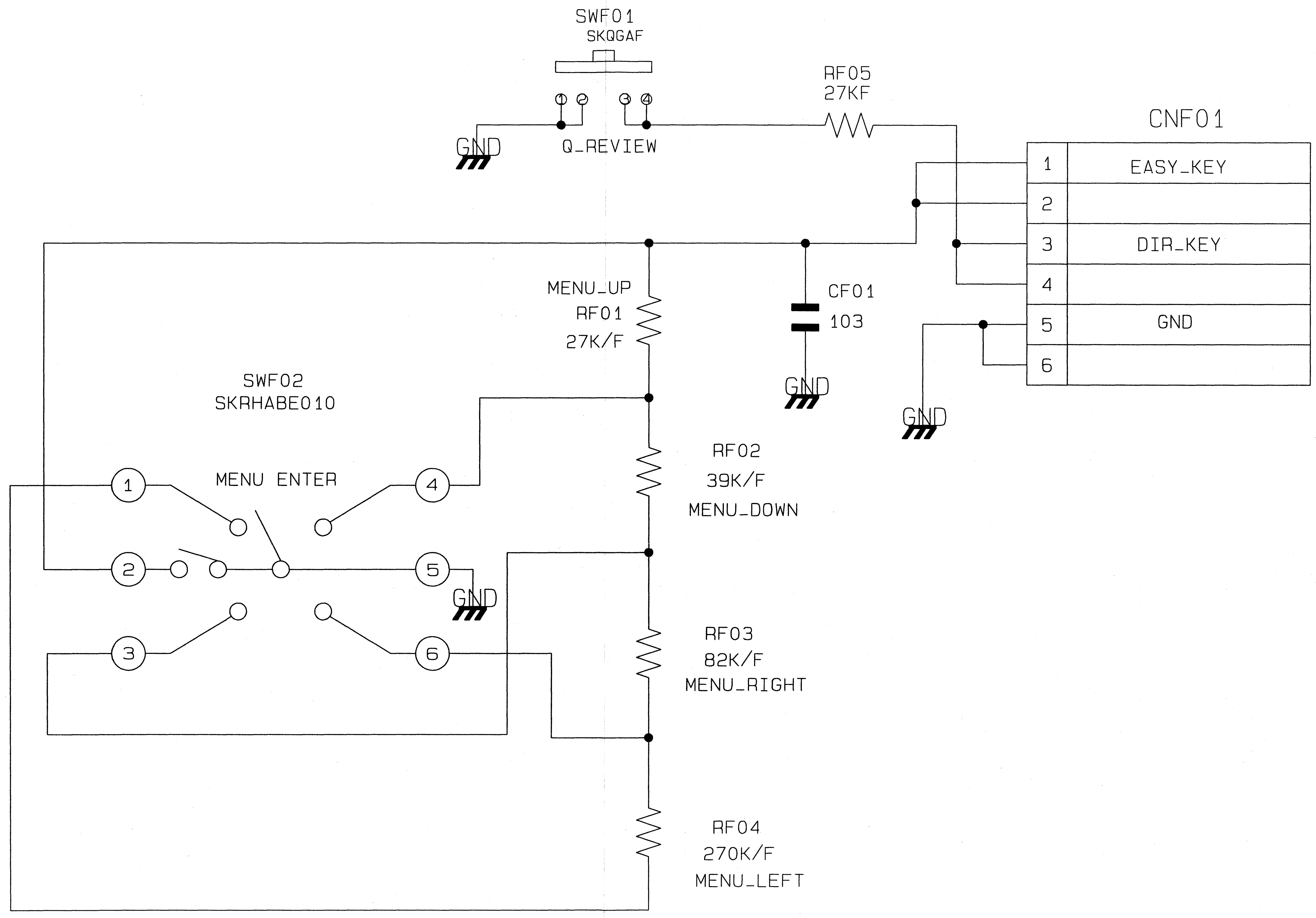
10-11 CCD (CCD PCB)


VIDEO
CNC02
1 DR-
2 DR+
3 HALL_IN+
4 HALL_OUT+
5 HALL_IN-
6 HALL_OUT-
7 NC
8 F_LED
9 F_VCC
10 F_SEN
11 ZB-
12 ZA+
13 ZB+
14 ZA-
15 THERM+
16 THERM-
17 Z_LED
18 Z_VCC
19 Z_SEN
20 FB-
21 FA+
22 FB+
23 FA-
CNC01
3955A-4044R
3711-008038
1 HALL_IN+
2 F_VCC
3 HALL_IN-
4 Z_SEN
5 DR+
6 Z_LED
7 FB-
8 THERM-
9 FA+
10 GND
11 DR-
12 THERM+
13 HALL_OUT+
14 F_SEN
15 HALL_OUT-
16 F_LED
17 FB+
18 Z_VCC
19 FA-
20 ZA-
21 ZB+
22 ZB-
23 ZA+
24 V4
25 V3
26 V2
27 V1
28 H2
29 H1
30 RG
31 GND
32 GND
33 -7.5V
34 GND
35 Vout
36 15V
37 15V
38 GND
39 VSUB
40 VSUB_C
ICC01*
ICX280/281
1 V4
2 V3
3 V2
4 V1
5 GND
6 GND
7 Vout
14 TEST
13 H2
12 H1
11 VL
10 VSUB
9 RG
8 VDD
CC05 100nF
RC04* 100K
DC01 KDS160
CC03 100nF
CC04 2.2nF
RC03* 100K
CC02 100nF
RC01 47
QC01 2SK1070
RC02 3K

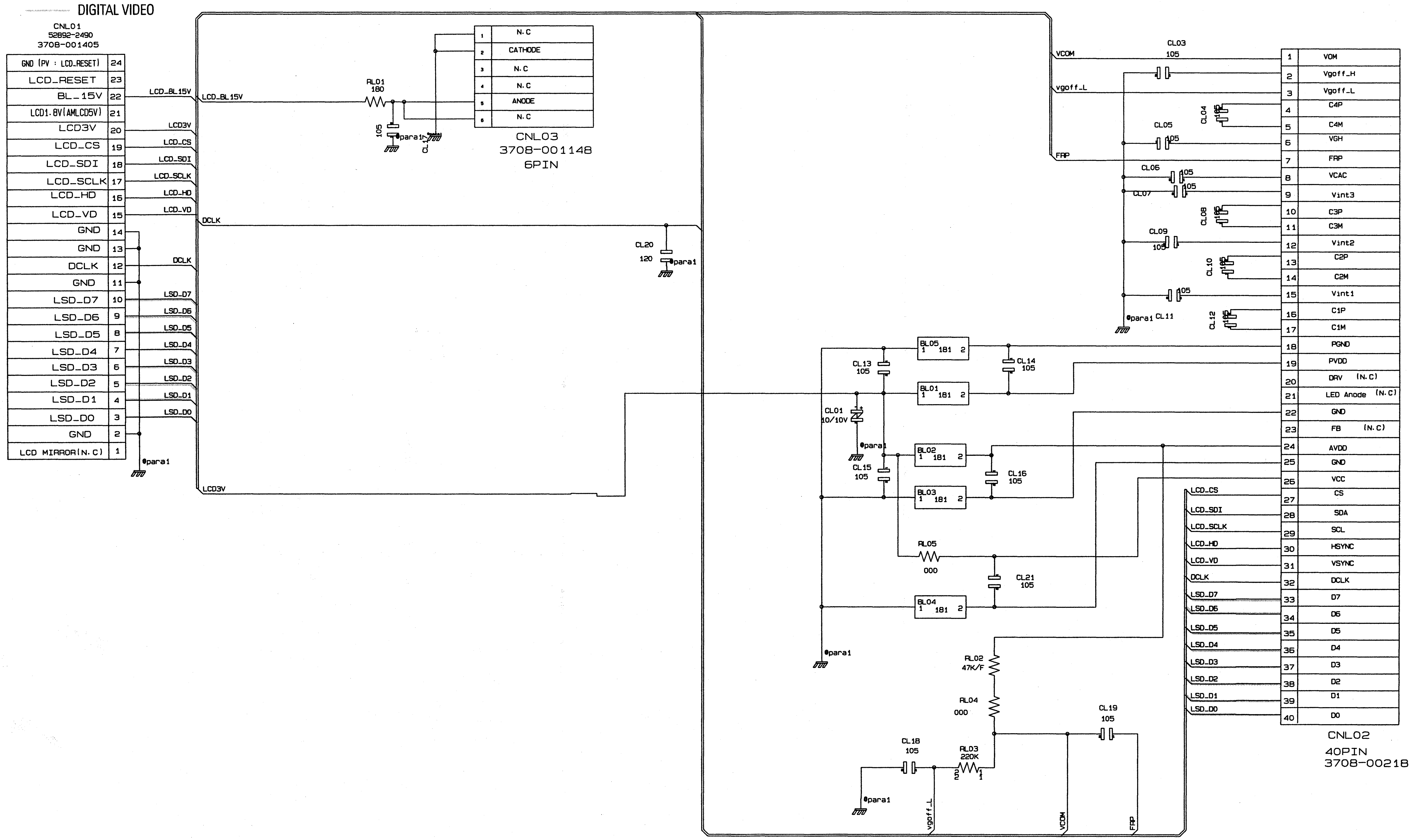
10-12 CVF (CVF PCB)


VIDEO
LEDC01
NSCW100-a0S
AD07-00023A
CC01
2.2/16V
2404-000167
CC02
104
2203-000189
RC01
220
2007-000075
CC03 224 2203-000560
CC04 224 2203-000560
CC05 224 2203-000560
CC06 224 2203-000560
CC07 224 2203-000560
CC08 224 2203-000560
RC02 1K 2007-000078
CVFBL_5V 15
ROUT 14
GND 13
GOUT 12
GND 11
BOUT 10
GND 9
HS 8
VS 7
INV 6
VDD 5
CK0 4
GND 3
CK1 2
VSS 1
CNC01
52559-1592
3708-001914
15 VEE
14 VIDRH
13 VIDGH
12 VIDBH
11 VIDRL
10 VIDGL
9 VIDBL
8 HS
7 VS
6 INV
5 SLEEP*
4 CK0
3 CK1
2 VDD
1 VSS
CNC02
15pin Slide
3708-002168
CC09
2.2/16V
2404-000167
CC10
104
2203-000189
CC11
4.7/10V
2404-000232
CC12
104
2203-000189

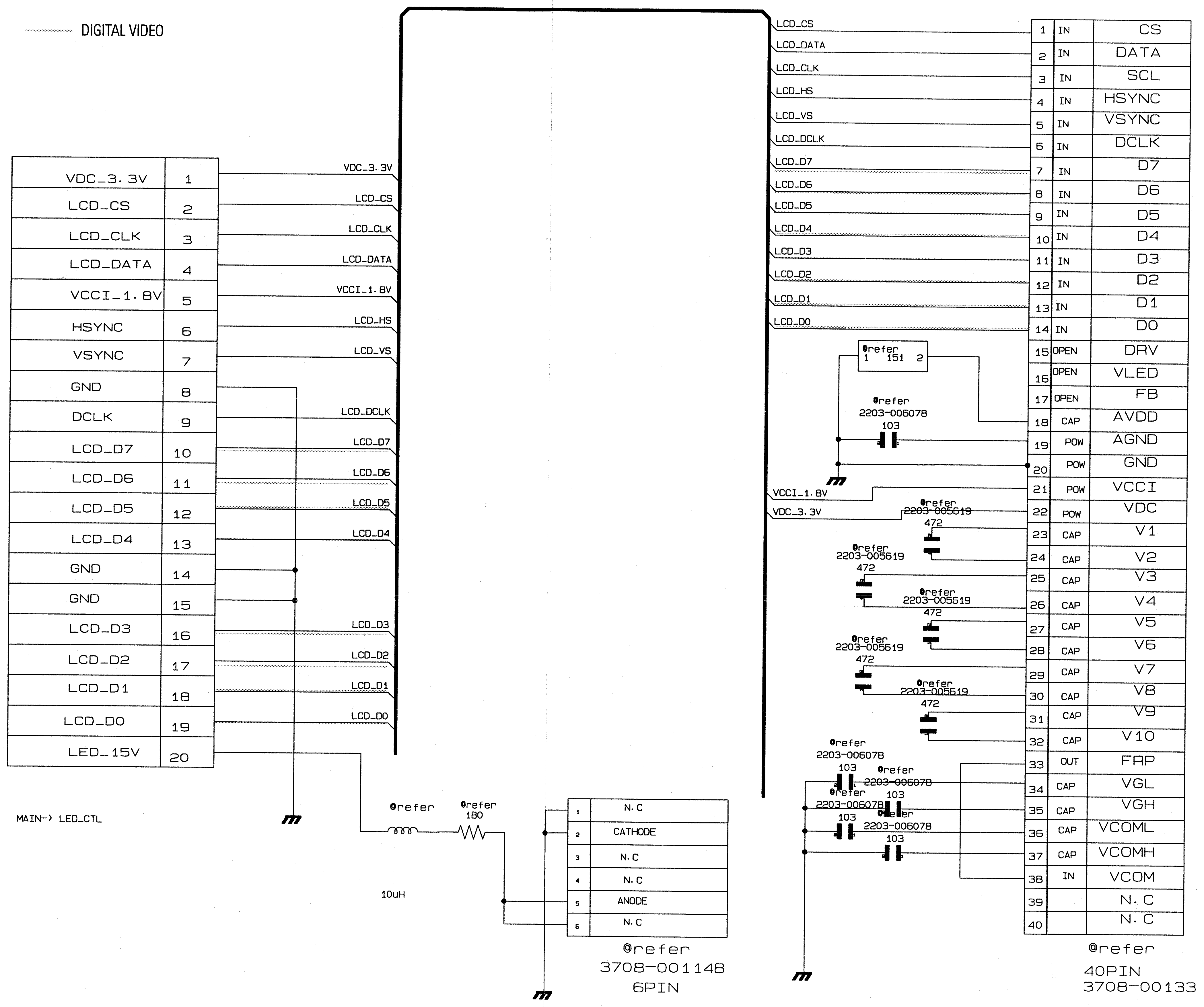
10-13 Function (Function PCB)


SWF01
SKQGAF
GND
Q_REVIEW
RF05
27KF
CNF01
1
EASY_KEY
2
3
DIR_KEY
4
5
GND
6
MENU_UP
RF01
27K/F
CF01
103
GND
GND
SWF02
SKRHABE010
MENU ENTER
RF02
39K/F
MENU_DOWN
GND
RF03
82K/F
MENU_RIGHT
RF04
270K/F
MENU_LEFT

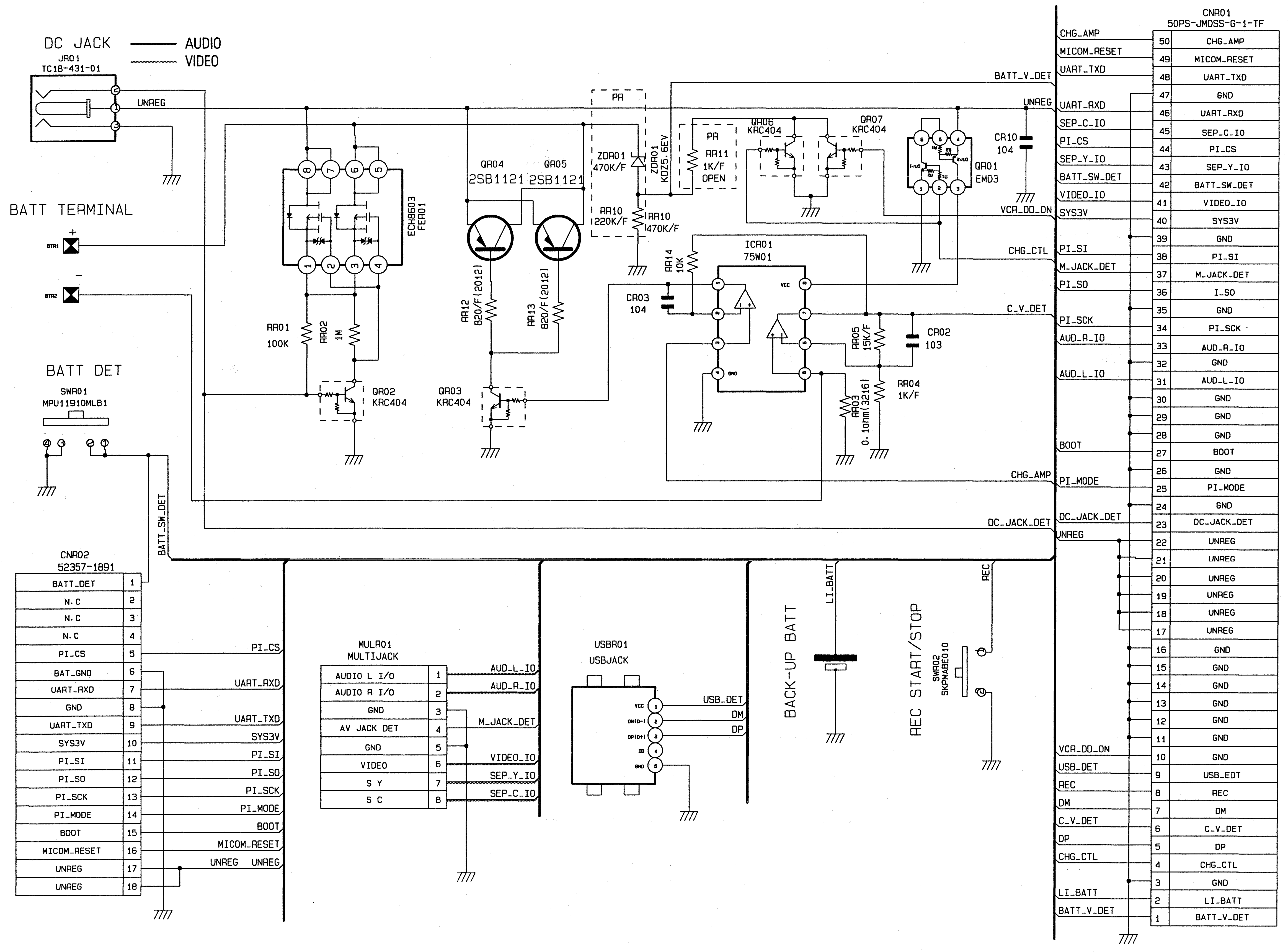
10-14 LCD (LCD PCB) (VP-DC161(I)/DC163(I))


DIGITAL VIDEO
CNL01
52892-2490
3708-001405
GND (PV : LCD_RESET) 24
LCD_RESET 23
BL_15V 22
LCD1.8V(AMLCD5V) 21
LCD3V 20
LCD_CS 19
LCD_SDI 18
LCD_SCLK 17
LCD_HD 16
LCD_VD 15
GND 14
GND 13
DCLK 12
GND 11
LSD_D7 10
LSD_D6 9
LSD_D5 8
LSD_D4 7
LSD_D3 6
LSD_D2 5
LSD_D1 4
LSD_D0 3
GND 2
LCD MIRROR(N.C) 1
para1
LCD_BL15V
LCD3V
LCD_CS
LCD_SDI
LCD_SCLK
LCD_HD
LCD_VD
DCLK
LSD_D7
LSD_D6
LSD_D5
LSD_D4
LSD_D3
LSD_D2
LSD_D1
LSD_D0
RL01
180
105
CL02
1 N.C
2 CATHODE
3 N.C
4 N.C
5 ANODE
6 N.C
CNL03
3708-001148
6PIN
CL20
120
VCOM
vgoff_L
FRP
CL03
105
CL04
105
CL05
105
CL06
105
CL07
105
CL08
105
CL09
105
CL10
105
CL11
105
CL12
105
BL05
1 181 2
CL13
105
CL14
105
BL01
1 181 2
CL01
10/10V
BL02
1 181 2
CL15
105
CL16
105
BL03
1 181 2
RL05
000
CL21
105
BL04
1 181 2
RL02
47K/F
RL04
000
CL19
105
CL18
105
RL03
220K
1 VOM
2 Vgoff_H
3 Vgoff_L
4 C4P
5 C4M
6 VGH
7 FRP
8 VCAC
9 Vint3
10 C3P
11 C3M
12 Vint2
13 C2P
14 C2M
15 Vint1
16 C1P
17 C1M
18 PGND
19 PVDD
20 DRV (N.C)
21 LED Anode (N.C)
22 GND
23 FB (N.C)
24 AVDD
25 GND
26 VCC
27 CS
28 SDA
29 SCL
30 HSYNC
31 VSYNC
32 DCLK
33 D7
34 D6
35 D5
36 D4
37 D3
38 D2
39 D1
40 D0
CNL02
40PIN
3708-002188

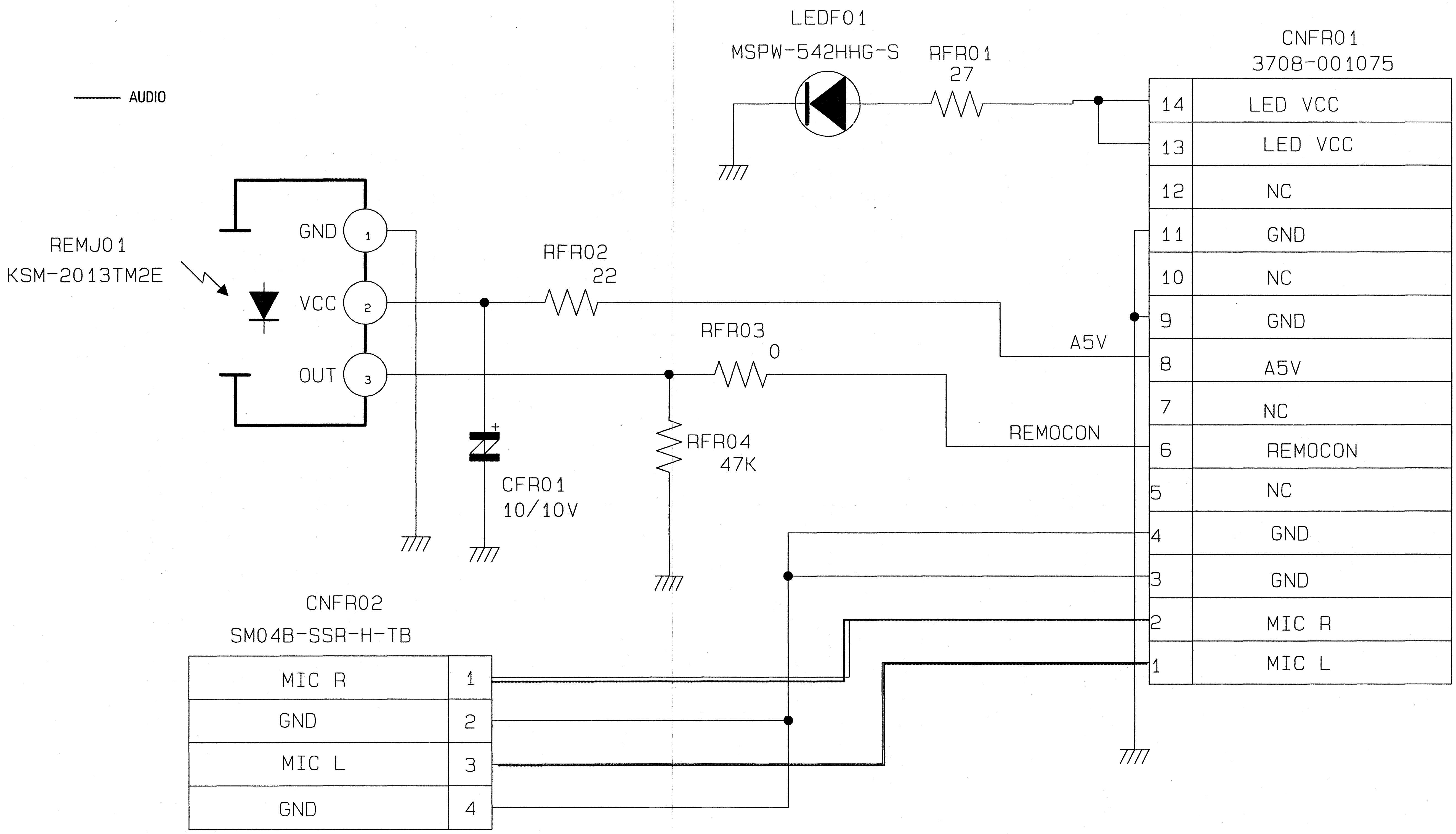
10-15 LCD (LCD PCB) (VP-DC161W(B)(I)/DC163W(I)/DC165W(B)(I))


DIGITAL VIDEO
VDC_3.3V 1
LCD_CS 2
LCD_CLK 3
LCD_DATA 4
VCCI_1.8V 5
HSYNC 6
VSYNC 7
GND 8
DCLK 9
LCD_D7 10
LCD_D6 11
LCD_D5 12
LCD_D4 13
GND 14
GND 15
LCD_D3 16
LCD_D2 17
LCD_D1 18
LCD_D0 19
LED_15V 20
MAIN-> LED_CTL
@refer
@refer
180
10uH
1 N.C
2 CATHODE
3 N.C
4 N.C
5 ANODE
6 N.C
@refer
3708-001148
6PIN
@refer
1 151 2
@refer
2203-006078
103
VCCI_1.8V
VDC_3.3V
@refer
2203-005619
472
1 IN CS
2 IN DATA
3 IN SCL
4 IN HSYNC
5 IN VSYNC
6 IN DCLK
7 IN D7
8 IN D6
9 IN D5
10 IN D4
11 IN D3
12 IN D2
13 IN D1
14 IN D0
15 OPEN DRV
16 OPEN VLED
17 OPEN FB
18 CAP AVDD
19 POW AGND
20 POW GND
21 POW VCCI
22 POW VDC
23 CAP V1
24 CAP V2
25 CAP V3
26 CAP V4
27 CAP V5
28 CAP V6
29 CAP V7
30 CAP V8
31 CAP V9
32 CAP V10
33 OUT FRP
34 CAP VGL
35 CAP VGH
36 CAP VCOML
37 CAP VCOMH
38 IN VCOM
39 N.C
40 N.C
@refer
40PIN
3708-00133

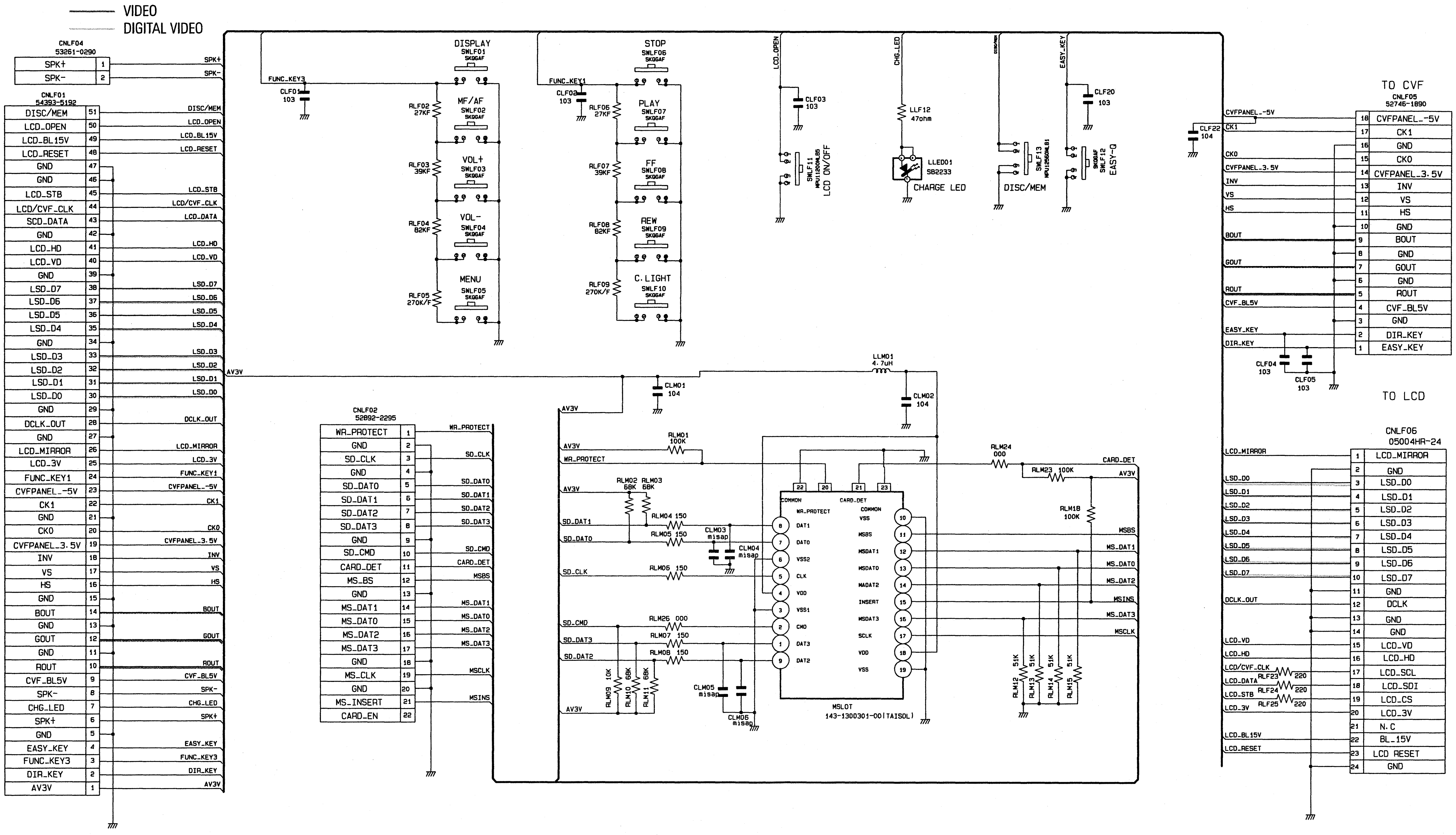
10-16 Rear (Rear PCB)


DC JACK
JR01
TC1B-431-01
AUDIO
VIDEO
UNREG
BATT TERMINAL
BTR1
BTR2
+
-
BATT DET
SWR01
MPU11910MLB1
ECH8603
FER01
RR01
100K
RR02
1M
QR02
KRC404
QR04
2SB1121
QR05
2SB1121
RR12
820/F(2012)
RR13
820/F(2012)
QR03
KRC404
PR
ZDR01
470K/F
ZDR01
KDZ5.6EV
RR10
220K/F
RR10
470K/F
RR14
10K
PR
RR11
1K/F
OPEN
QR06
KRC404
QR07
KRC404
QR01
EMD3
CR10
104
ICR01
75W01
VCC
GND
CR03
104
RR05
15K/F
CR02
103
RR04
1K/F
RR03
0.1ohm(3216)
BATT_V_DET
UNREG
VCR_DD_ON
CHG_CTL
C_V_DET
CHG_AMP
DC_JACK_DET
BATT_SW_DET
CNR02
52357-1891
1 BATT_DET
2 N.C
3 N.C
4 N.C
5 PI_CS
6 BAT_GND
7 UART_RXD
8 GND
9 UART_TXD
10 SYS3V
11 PI_SI
12 PI_SO
13 PI_SCK
14 PI_MODE
15 BOOT
16 MICOM_RESET
17 UNREG
18 UNREG
PI_CS
UART_RXD
UART_TXD
SYS3V
PI_SI
PI_SO
PI_SCK
PI_MODE
BOOT
MICOM_RESET
UNREG
UNREG
MULR01
MULTIJACK
1 AUDIO L I/O
2 AUDIO R I/O
3 GND
4 AV JACK DET
5 GND
6 VIDEO
7 S Y
8 S C
AUD_L_IO
AUD_R_IO
M_JACK_DET
VIDEO_IO
SEP_Y_IO
SEP_C_IO
USBR01
USBJACK
VCC
DM(D-)
DP(D+)
ID
GND
USB_DET
DM
DP
LI_BATT
BACK-UP BATT
REC
REC START/STOP
SWR02
SKPMABE010
CNR01
50PS-JMDSS-G-1-TF
50 CHG_AMP
49 MICOM_RESET
48 UART_TXD
47 GND
46 UART_RXD
45 SEP_C_IO
44 PI_CS
43 SEP_Y_IO
42 BATT_SW_DET
41 VIDEO_IO
40 SYS3V
39 GND
38 PI_SI
37 M_JACK_DET
36 I_SO
35 GND
34 PI_SCK
33 AUD_R_IO
32 GND
31 AUD_L_IO
30 GND
29 GND
28 GND
27 BOOT
26 GND
25 PI_MODE
24 GND
23 DC_JACK_DET
22 UNREG
21 UNREG
20 UNREG
19 UNREG
18 UNREG
17 UNREG
16 GND
15 GND
14 GND
13 GND
12 GND
11 GND
10 GND
9 USB_EDT
8 REC
7 DM
6 C_V_DET
5 DP
4 CHG_CTL
3 GND
2 LI_BATT
1 BATT_V_DET
CHG_AMP
MICOM_RESET
UART_TXD
UART_RXD
SEP_C_IO
PI_CS
SEP_Y_IO
BATT_SW_DET
VIDEO_IO
SYS3V
PI_SI
M_JACK_DET
PI_SO
PI_SCK
AUD_R_IO
AUD_L_IO
BOOT
PI_MODE
DC_JACK_DET
UNREG
VCR_DD_ON
USB_DET
REC
DM
C_V_DET
DP
CHG_CTL
LI_BATT
BATT_V_DET

10-17 Front (Front PCB)


AUDIO
LEDF01
MSPW-542HHG-S
RFR01
27
CNFR01
3708-001075
14 LED VCC
13 LED VCC
12 NC
11 GND
10 NC
9 GND
8 A5V
7 NC
6 REMOCON
5 NC
4 GND
3 GND
2 MIC R
1 MIC L
REMJ01
KSM-2013TM2E
GND 1
VCC 2
OUT 3
RFR02
22
RFR03
0
A5V
REMOCON
CFR01
10/10V
RFR04
47K
CNFR02
SM04B-SSR-H-TB
MIC R 1
GND 2
MIC L 3
GND 4

10-18 Left (Left PCB)


VIDEO
DIGITAL VIDEO
CNLF04
53261-0290
SPK+ 1
SPK- 2
CNLF01
54393-5192
DISC/MEM 51
LCD_OPEN 50
LCD_BL15V 49
LCD_RESET 48
GND 47
GND 46
LCD_STB 45
LCD/CVF_CLK 44
SCD_DATA 43
GND 42
LCD_HD 41
LCD_VD 40
GND 39
LSD_D7 38
LSD_D6 37
LSD_D5 36
LSD_D4 35
GND 34
LSD_D3 33
LSD_D2 32
LSD_D1 31
LSD_D0 30
GND 29
DCLK_OUT 28
GND 27
LCD_MIRROR 26
LCD_3V 25
FUNC_KEY1 24
CVFPANEL_-5V 23
CK1 22
GND 21
CK0 20
CVFPANEL_3.5V 19
INV 18
VS 17
HS 16
GND 15
BOUT 14
GND 13
GOUT 12
GND 11
ROUT 10
CVF_BL5V 9
SPK- 8
CHG_LED 7
SPK+ 6
GND 5
EASY_KEY 4
FUNC_KEY3 3
DIR_KEY 2
AV3V 1
DISPLAY SWLF01
MF/AF SWLF02
VOL+ SWLF03
VOL- SWLF04
MENU SWLF05
STOP SWLF06
PLAY SWLF07
FF SWLF08
REW SWLF09
C.LIGHT SWLF10
RLF02 27KF
RLF03 39KF
RLF04 82KF
RLF05 270K/F
RLF06 27KF
RLF07 39KF
RLF08 82KF
RLF09 270K/F
CLF01 103
CLF02 103
CLF03 103
CLF20 103
CLF22 104
CLF04 103
CLF05 103
FUNC_KEY3
FUNC_KEY1
LCD_OPEN
CHG_LED
EASY_KEY
SWLF11
LCD ON/OFF
LLF12 47ohm
LLED01 SB2233
CHARGE LED
SWLF13
DISC/MEM
SWLF12
EASY-Q
TO CVF
CNLF05
52746-1890
18 CVFPANEL_-5V
17 CK1
16 GND
15 CK0
14 CVFPANEL_3.5V
13 INV
12 VS
11 HS
10 GND
9 BOUT
8 GND
7 GOUT
6 GND
5 ROUT
4 CVF_BL5V
3 GND
2 DIR_KEY
1 EASY_KEY
TO LCD
CNLF06
05004HR-24
1 LCD_MIRROR
2 GND
3 LSD_D0
4 LSD_D1
5 LSD_D2
6 LSD_D3
7 LSD_D4
8 LSD_D5
9 LSD_D6
10 LSD_D7
11 GND
12 DCLK
13 GND
14 GND
15 LCD_VD
16 LCD_HD
17 LCD_SCL
18 LCD_SDI
19 LCD_CS
20 LCD_3V
21 N.C
22 BL_15V
23 LCD RESET
24 GND
RLF23 220
RLF24 220
RLF25 220
CNLF02
52892-2295
WR_PROTECT 1
GND 2
SD_CLK 3
GND 4
SD_DAT0 5
SD_DAT1 6
SD_DAT2 7
SD_DAT3 8
GND 9
SD_CMD 10
CARD_DET 11
MS_BS 12
GND 13
MS_DAT1 14
MS_DAT0 15
MS_DAT2 16
MS_DAT3 17
GND 18
MS_CLK 19
GND 20
MS_INSERT 21
CARD_EN 22
AV3V
LLM01 4.7uH
CLM01 104
CLM02 104
RLM01 100K
RLM02 68K
RLM03 68K
RLM04 150
RLM05 150
RLM06 150
RLM26 000
RLM07 150
RLM08 150
RLM09 10K
RLM10 68K
RLM11 68K
CLM03 misap
CLM04 misap
CLM05 misap
CLM06 misap
RLM24 000
RLM23 100K
RLM18 100K
RLM12 51K
RLM13 51K
RLM14 51K
RLM15 51K
MSLOT
143-1300301-00(TAISOL)
COMMON
WR_PROTECT
DAT1
DAT0
VSS2
CLK
VDD
VSS1
CMD
DAT3
DAT2
CARD_DET
COMMON
VSS
MSBS
MSDAT1
MSDAT0
MADAT2
INSERT
MSDAT3
SCLK
VDD
VSS
CARD_DET
MSBS
MS_DAT1
MS_DAT0
MS_DAT2
MSINS
MS_DAT3
MSCLK